

COTTAGERS' SELF-HELP PROGRAM
ENRICHMENT STATUS OF LAKES
IN THE
SOUTHEASTERN REGION
OF ONTARIO
1988

MARCH 1990



Environment
Environnement
Ontario Jim Bradley Minister/ministre

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Report prepared by:
Water Resources Assessment Unit
Technical Support Section
Southeastern Region

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INTRODUCTION

This report is the fifteenth of a continuing series of reports on the Cottager's Self-Help program for the Southeastern Region of Ontario. The Self-Help program relies on the volunteer assistance of cottagers and other waterfront property owners to monitor the water quality of our inland recreational lakes. The monitoring consists of regular observations on the water clarity of the lakes together with determinations of their algae content. Although water clarity and the prevalence of algae are only two measures of water quality, they allow a very good assessment of the condition of a lake in terms of its suitability for recreational use.

This report presents results for 94 bodies of water enrolled in the Self-Help program in the Southeastern Region of Ontario during 1988. The Southeastern Region includes Prince Edward and Hastings Counties and extends eastward to the Ottawa River and the Ontario-Quebec border. As found during previous years, most lakes in the region have very good water quality. There were, however, a few exceptions where high algae levels may have from time to time limited the use and enjoyment of the lake.

ACKNOWLEDGMENTS

The Self-Help program would not be possible without the corps of dedicated volunteers who undertake lake clarity measurements and water sample collections. The information that they help to provide contributes to the management and protection of our recreational lakes. We especially appreciate the contribution of the following organizations and individuals that have ensured a 10 year or longer record of water quality monitoring on their lake.

Bass Lake Cottage Association
Saptiste Lake Association
Sattersea-Loughborough Association
Son Echo Provincial Park
Buck Lake Protective Association
Charleston Lake Provincial Park
Charleston Lake Ratepayers Association
Christie Lake Association
Dalhousie Lake Association
Desert Lake Property Owners Association
Diamond Lake Cottagers Association
West Devil Lake Property Owners Association
Gananogue Lake Property Owners Association
Mrs. R. Biddle (Eagle Lake)
Mr. R. Langlais (Eagle Lake)
North Shore Grippen Lake Cottage Association
Mr. R. F. Sanderson (Hay Bay)
Limerick Waterways Ratepayers Association
Little Silver Lake Property Owners Association
Lower Beverly Lake Protective Association
Mink Lake Betterment Association
Moira Cottagers for Clean Water
Muskrat Lake Improvement Association
Norway Lake Property Owners Association
Mr. J. O'Dette (Mosque Lake)
Mr. S. Briscoe (Olmstead Lake)
Dr. A. W. Rahn (Otter Lake)
Otter Lake Association
Pikey Lake Property Owners Association
Salmon Trout Lake Cottage Association
Sharbot Lake Provincial Park
Mr. J. Arnold (Troy Lake)
Silver Lake Protective Association
White Lake Water Quality Committee

CAUSES AND EFFECTS OF NUTRIENT ENRICHMENT

Lakes are one of Ontario's most valuable assets. We are fortunate to have many hundreds of lakes. Increasing amounts of leisure time and growing affluence combined with easy accessibility of lakes from urban centres of population have culminated in the development of the shorelines of many of our lakes with summer cottages, permanent homes, campgrounds and vacation resorts.

There is a concern that increasing development and recreational activity can threaten the water quality of our lakes. One of the greatest threats to lake water quality is the over production of aquatic weeds and microscopic floating green plants collectively referred to as algae.

A certain amount of algae is essential to the proper functioning of a healthy lake ecosystem. Algae form a food resource for all the rest of the life in a lake and through the process of photosynthesis replenish the supply of oxygen in the water. However, increasing levels of algae cause a lake to become progressively more turbid and water clarity is diminished as a result. In some situations, pea-soup surface scums called algal blooms may occur. Under "bloom" conditions the lake is unsuitable for swimming and other water oriented recreational activities. Algal blooms affect more than just the surface of the water. As the algae die they sink and decompose using up the limited supply of oxygen

at the bottom of a lake. Deep water fish such as lake trout and other aquatic life that inhabit these depths are deprived of the oxygen that they need in order to survive. (In shallow lakes, less than 10 metres deep, oxygen depletion does not occur because winds keep the lake well mixed all the way to the bottom.)

To grow, algae like all green plants, need nutrients such as nitrogen and phosphorus. In the days before European settlement the inputs and levels of nutrients in lake waters are believed to have been much lower than they are today. Low concentrations of nutrients naturally limited the production of aquatic weeds and algae. The rate of supply has been influenced by human activities. Any disturbance of the ground or vegetative cover that exposes soil to erosion can increase the runoff of sediment bound nutrients from the land to a lake. For example, the clearing of forests and cultivation of land has created a substantial increase in the supply of nutrients in surface runoff. In addition, the use of fertilizers can also increase the concentration of nitrogen and phosphorus.

Shoreline development can also increase the supply of plant nutrients to a lake. As development occurs much of the natural ground cover is replaced with roads, lawns, tile fields, roofs and gardens. Runoff that was once filtered through forest soils and vegetative undergrowth flows

directly to the lake. This "urban" runoff is contaminated with high levels of phosphorus and nitrogen from sediment particles, fertilizer residues and animal wastes. Even swimming in a lake can raise its nutrient concentrations by disturbing areas of rich lake bottom sediments and redistributing nutrients back into the water.

The disposal of domestic sewage may be the most significant potential source of phosphorus arising from shoreline development. Septic tanks and tile fields are the most common form of sewage disposal in rural areas. Human and household wastes are rich in phosphorus and nitrogen. Although conventional septic tank -tile field systems are extremely effective at removing bacteria from sewage, they are limited in their ability to prevent the escape of nutrients. Nitrogen and phosphorus can travel in ground water to reach an adjacent lake or watercourse. The degree of movement depends upon the type of soil between the tile bed and the lake, the slope of the lot, the depth to the water table and the distance from the lake.

Some lakes are naturally productive of weeds and algae. Even the best land use planning and shoreline development controls cannot ameliorate water quality problems associated with such water bodies. In other lakes the production of weeds and algae can be held within acceptable limits by ensuring that phosphorus and nitrogen and other wastes entering a lake are

maintained below critical levels. For the largely forested PreCambrian shield area of the province that makes up most of our cottage country, the more obvious controllable sources of nutrient enrichment are those associated with shoreline development. On certain sensitive lakes, restrictions and controls on shoreline development may be necessary to preserve their water quality.

LAKE MONITORING

In 1970 the province initiated a comprehensive lake water quality survey program to inventory the water quality status of our lakes and to identify lakes that might be sensitive to water quality deterioration by nutrient enrichment. Since 1970 over 300 lakes have been surveyed in the Southeastern region of the province alone. While most of our lakes were found to have water quality suitable for a variety of recreational pursuits, continual monitoring is necessary to maintain a current record of their conditions and to define and understand any changes or trends that might be developing. The provincial government does not have the staff nor the resources to visit more than a few lakes in any given year. Therefore a "self-help" program was set up to obtain the assistance of lake associations, individual cottagers and other waterfront property owners with this undertaking. The participants in the self-help program

volunteer a half hour or so of their time each week or two during the summer to measure the water clarity of their lake with a Secchi disc and to collect a sample of water and arrange for its delivery to a Ministry of the Environment laboratory. The Ministry of the Environment analyses the samples and interprets the results.

A Secchi disc is a circular plate 20 cm in diameter that is painted with black and white opposing quadrants. The depth at which it disappears from view when slowly lowered into a lake is a standard measure of water clarity. The water samples are analyzed for chlorophyll content.

Chlorophyll is a pigment that is present in all green plants including algae. The concentration of chlorophyll in a sample of water is a chemical measure of the amount of algae in a lake at the time of sampling.

LAKE CLASSIFICATION

While Secchi disc water clarity readings and chlorophyll concentrations are only two measures of water quality they allow an extremely good assessment of how pristine or nutrient enriched a lake is. Table 1 below is a lake classification scheme based on Secchi disc visibility depths and chlorophyll concentrations.

Table 1

Enrichment status	Average Secchi disc visibility depth (metres)	Average chlorophyll a concentration (micrograms per litre)
enriched	< 3 m	> 6 ug/l
moderately enriched	3 - 5 m	3 - 6 ug/l
unenriched	> 5 m	< 3 ug/l

note < less than; > greater than

Enriched lakes have high concentrations of nutrients as manifested by excessive growths of aquatic weeds and algae. As a result of large amounts of algae suspended in the water Secchi disc visibility depths are generally less than 3 metres and chlorophyll concentrations are greater than 6 ug/l.

Unenriched lakes have very low concentrations of nutrients as evidenced by only a very sparse population of aquatic weeds and very low levels of algae. They are usually very clear lakes with Secchi disc visibility depths over 5 metres and chlorophyll concentrations less than 3 ug/l. If they are deep lakes (>30 metres) they may support a cold water fishery such as lake trout.

Moderately enriched lakes are intermediary between the above two lake types and are characterized by moderate growths of aquatic weeds and algae. They are suitable for a wide range

of water oriented recreational activities and are capable of supporting a more productive fishery than the unenriched lakes but generally for warm water species such as walleye or bass. Secchi disc visibility depths range from 3 to 5 metres and chlorophyll concentrations from 3 to 6 ug/l.

EVALUATION OF RESULTS

Table 2 and the individual lake data printouts present the Secchi disc depth visibility and chlorophyll concentration results for 94 bodies of water enrolled in the self-help program in the Southeastern Region of Ontario during 1988. A total of 1156 pairs of observations were made on these 94 bodies of water averaging over 12 observations per lake. The Southeastern region includes Prince Edward and Hastings Counties and extends eastward to the Ottawa River and the Ontario-Quebec border.

The Secchi disc visibilities and chlorophyll concentrations can be used to evaluate the present condition of a lake based on the nutrient enrichment classification scheme presented in table 1 above. The data indicate that most of the lakes in this region have water quality which is well suited for a diversity of recreational pursuits including those that involve body contact with the water such as swimming and bathing. There were, however, some exceptions; most notably Hay Bay, South, Moira, and Stoco Lakes. Poor water clarity and high chlorophyll concentrations indicated that

Table 2: Mean Chlorophyll Concentrations (ug/l)
and Mean Secchi Disc Visibility Depths (m) 1988

LAKE	CHLORO	SECCHI	NOTE
BAGOT LONG	1.2	4.4	
BAPTISTE	1.5	4.5	
BASS	1.0	5.6	
BAY	0.8	5.8	
BEAVER - SOUTH BASIN	3.3	2.4	
BIG GULL (CLARENDON)	1.8	4.4	
BIG RIDEAU	1.9	3.4	
BIG RIDEAU - BRITON BAY	2.3	4.2	
BLACK	3.9	5.1	
BLACK BAY	1.4	3.3	
BLACK DONALD	0.8	5.8	
BOBS - LONG BAY	1.7	5.4	1
BOBS - MUD BAY	6.2	2.5	
BOIS DUR, LAC DU	1.2	3.9	1
BRULE (WENSLEY)	0.8	7.5	
BUCK - NORTH BAY - NORTH END	2.6	5.1	
BUCK - NORTH BAY - SOUTH END	2.1	4.9	
BUCK - SOUTH BAY	2.0	5.4	
BURRIDGE	0.8	4.6	
CASHEL	0.8	4.6	
CHARLESTON - GOOSE ISLAND	2.4	3.8	
CHARLESTON - WEBSTERS BAY	2.3	3.9	
CHARLESTON - WESTERN WATER	2.3	3.9	
CHIPPEGO	1.9	3.6	
CHRISTIE	2.8	5.2	
CROSBY (BIG CROSBY)	1.8	4.7	
CROWE	2.1	2.9	
DAVERN	1.8	5.4	
DEMPSEY (VIRGIN)	3.0	5.2	
DESERT	1.6	4.5	
DEVIL	1.6	5.4	
DIAMOND	1.0	5.6	
DICKEY - NORTH BASIN	2.2	4.1	
DICKEY - SOUTH BASIN	1.2	4.8	
DOG - NORTH BASIN	5.4	2.5	
EAGLE	2.4	5.2	
EAST	6.3	1.7	
FARREN (FARRELL)	1.2	4.8	
GANANOQUE	4.8	2.7	
GREEN (BROUGHAM TOWNSHIP)	1.7	8.6	
GREEN (RADCLIFFE TOWNSHIP)	1.2	5.4	
GRINDSTONE	1.8	5.0	
GUNTER	0.8	4.5	
HAY BAY	20.2	1.5	
HURDS	2.3	3.9	
HUTSON	1.3	5.2	1
INDIAN	2.1	4.0	
JEFFREY	0.9	6.9	1
JEFFREYS (OLMSTEAD)	1.1	6.5	
JOEPERRY	1.7	3.0	

LAKE	CHLORO	SECCHI	NOTE
KASHWAKAMAK	1.0	2.7	1
KENNEBEC - EAST BASIN	3.2	2.9	
KENNEBEC - WEST BASIN	2.9	3.1	1
KILLENECK	5.5	2.9	
LIMERICK	1.5	4.6	
LITTLE FRANKLIN	3.9	3.6	
LITTLE SILVER	2.6	4.3	
LOUGHBOROUGH - EAST BASIN	3.8	2.9	
LOUGHBOROUGH - WEST BASIN	2.8	5.5	1
LOWER BEVERLEY - MAIN BASIN	4.2	2.7	
LOWER BEVERLEY - OAK BAY	6.1	1.9	
MAZINAW	0.9	3.8	
MINK	1.9	3.9	
MOIRA - EAST BASIN	6.2	2.6	
MOIRA - WEST BASIN	15.4	1.4	
MOSQUE - NORTH & SOUTH BASINS	1.1	4.7	
MOSQUE - WEST BASIN	1.8	3.9	
MUSKRAT	8.7	3.1	
NORWAY	2.6	5.2	
OPINICON	3.4	3.6	
OTTER	1.8	3.4	
OTTY	2.0	4.7	
PAUGH	0.7	6.3	1
PIKE	2.0	5.5	
RED HORSE - EAST BASIN	2.0	3.9	
RED HORSE - WEST BASIN	3.2	4.0	
SAINT ANDREW	4.8	2.7	
SAINT PETER	1.7	5.0	1
SALMON TROUT	4.7	4.3	
SAND	3.6	4.0	
SHABOMEKA	2.0	5.2	
SILVER	1.8	3.8	
SKOOTAMATTA - WEST BASIN	1.1	3.9	
SOUTH	23.7	1.7	
STEENBURG	0.3	4.0	1
STOCO - NORTH BASIN	16.9	1.5	
SYDENHAM	4.7	5.0	
TAIT	1.2	4.4	
THIRTEEN ISLAND	2.8	4.1	
TROY	4.8	3.3	
TWIN SISTER - EAST BASIN	3.7	3.6	
TWIN SISTER - WEST BASIN	1.8	3.5	
WEST	12.1	0.7	
WOLLASTON	1.3	4.6	

1 The mean may not accurately reflect seasonal conditions in these lakes as less than 6 sets of measurements were collected.

algal densities may have from time to time limited the recreational use and enjoyment of these lakes during the summer months.

A record of seasonal mean Secchi disc visibility and chlorophyll concentrations for previous years that a lake was enrolled in the self-help program is provided on the individual lake report printout sheets beside the table with the current year's data. These data will provide a valuable record of water quality that can be compared over the years to identify and understand changes that may occur in our lakes.

In our last report it was noted that most lakes enrolled in the self-help program experienced a noticeable improvement in water quality during 1987 as evidenced by higher Secchi disc visibility readings and lower chlorophyll concentrations compared to the values for these measurements in previous years. Improved water quality conditions were sustained in 1988. The summers of both 1987 and 1988 were periods of extremely dry weather compared to the long term norm for rainfall. It is believed that reduced amounts of surface runoff limited the supply of algae producing nutrients available to these lakes over the course of the growing season during the past two years. The reduction in the nutrient supply was large enough to limit the production of algae in these lakes.

Over the longer term it can be seen that some lakes have an annual average Secchi disc visibility depth and chlorophyll concentration that have remained relatively constant from year to year. It is apparent that their water quality enrichment status is not changing. For other lakes, year to year fluctuations in these measurements have been subject to quite wide swings. For these lakes, a thorough analysis of the data will be required to discriminate between natural variations about a steady state average condition and the emergence of any continuing improvement or deterioration in water quality. As the data base develops for these lakes, the results will be periodically analyzed statistically and interpretations provided that will include the conclusions of any trend through time examination.

A P P E N D I X

The following pages are individual lake reports for lakes enrolled in the 1988 Self-Help program. The reports are arranged alphabetically by lake name. The reports provide the Secchi disc visibility depth and chlorophyll concentration measurements for each date that sampling was conducted during 1988.

In addition, seasonal year end average Secchi disc visibility and chlorophyll values are presented for previous years that these lakes were enrolled in the Self-Help program or for which the Ministry of the Environment collected this data by a lake water quality survey.

The reports also includes information on the physical characteristics of each lake (surface area, maximum depth, volume, shoreline length, watershed area) and shoreline development (cottages, homes, resorts, and per-cent crown land).

LAKE : BAGOT LONG
 TWP : BAGOT
 COUNTY : RENFREW

ID NUMBER : 18-3490-041-01

WATERSHED AREA	4.41	sq.km	SHORELINE	9.00	km.
SURFACE AREA	56.0	ha.	COTTAGES	28	
MAX DEPTH	12.20	m.	RESORTS	0	
VOLUME	2.62	mill cu. m.	% CROWN LAND	70	

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/20/88	5.6	
07/03/88	3.7	1.8
07/19/88	4.8	0.5
08/02/88	4.8	0.5
08/29/88	3.5	3.0
09/02/88	4.5	0.1

MEAN	1.2
MAX	3.0
MIN	0.1
N	5
SD	1.20

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1981 *	4.9	
1983 *	3.0	3.3
1986 *	2.7	11.6
1987 *	4.5	1.8
1988	4.4	1.2

MEAN	3.9
MAX	4.9
MIN	2.7
N	5
SD	0.98

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BAPTISTE
 TWP : HERSCHEL
 COUNTY : HASTINGS

ID NUMBER : 18-3490-002-01

WATERSHED AREA	717.00	sq.km	SHORELINE	62.00 km.
SURFACE AREA	2125.0	ha.	COTTAGES	506
MAX DEPTH	31.40	m.	RESORTS	15 (113)
VOLUME	112.73	mill cu. m.	% CROWN LAND	50

DOG BAY

PADDY COX BAY

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
06/12/88	4.3	0.9	
06/19/88	4.6	1.4	
05/26/88	4.3	1.7	
07/03/88	4.3	1.1	
07/10/88	4.3	1.7	
07/17/88	4.3	1.8	
07/24/88	4.3	2.4	
08/07/88	4.6	2.3	
09/29/88	4.9	0.7	
MEAN	4.4	1.6	
MAX	4.9	2.4	
MIN	4.3	0.7	
N	9	9	
SD	0.22	0.59	

LAVALLEY BAY

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
07/03/88	5.8	0.5	
07/17/88	4.9	1.9	
08/07/88	4.3	1.6	
09/22/88	4.9	0.6	
09/29/88	4.9	1.3	
MEAN	5.0	1.2	
MAX	5.8	1.9	
MIN	4.3	0.5	
N	5	5	
SD	0.54	0.61	

YORK RIVER

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
07/10/88	4.6	1.2	
07/17/88	5.2	1.9	
07/24/88	4.9	2.7	
08/07/88	4.3	3.8	
08/22/88	4.6	1.0	
09/29/88	4.9	0.4	
MEAN	4.8	1.8	
MAX	5.2	3.8	
MIN	4.3	0.4	
N	6	6	
SD	0.32	1.25	

LAKE : BAPTISTE
 TWP : HERSCHEL
 COUNTY : HASTINGS

ID NUMBER : 18-3490-002-01

WATERSHED AREA : 717.00 sq.km.
 SURFACE AREA : 2125.0 ha.
 MAX DEPTH : 31.40 m.
 VOLUME : 112.73 mill cu. m.

SHORELINE : 62.00 km.
 COTTAGES : 506
 RESORTS : 15 (113)
 % CROWN LAND : 50

HISTORICAL RECORD - COMBINED

SAMPLE DATE		SEUCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)	
1973 *	3.6	2.9	
1974 *	3.4	0.8	
1975	3.2	3.2	
1976 *	3.2	3.2	
1977 **	4.3	2.9	
1978	4.3	2.4	
1979	4.5	2.7	
1980	3.5	3.6	
1981	4.0	3.9	
1982 *	3.6	2.4	
1983	4.2	1.7	
1984	3.8	2.4	
1985 *	3.4	1.7	
1986	4.5	1.5	
MEAN	3.8	2.5	
MAX	4.5	3.9	
MIN	3.2	0.8	
N	14	14	
SD	0.47	0.90	

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BASS
 TWP : REAR OF LEEDS & LANSDOWNE
 COUNTY : LEEDS

ID NUMBER : 12-0017-001-01

WATERSHED AREA	14.89	sq.km	SHORELINE	8.2	km.
SURFACE AREA	76.89	ha.	COTTAGES	67	(1975)
MAX DEPTH	25.9	m.	RESORTS	0	
VOLUME	8.67	mill cu. m.	% CROWN LAND	0	

OUTLET

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/03/88	7.0	0.3
07/17/88	5.9	0.9
07/26/88	5.2	1.7
08/04/88	6.1	0.7
08/14/88	5.3	1.3
08/21/88	4.3	0.9
09/09/88	5.2	0.9
09/25/88	5.8	1.3
MEAN	5.6	1.0
MAX	7.0	1.7
MIN	4.3	0.3
N	8	8
SD	0.80	0.43

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1977	6.6	1.5
1978	5.9	2.2
1979	4.7	2.5
1980	6.5	3.2
1981	5.9	2.5
1982	6.0	1.8
1983	6.5	1.2
1984	6.6	2.5
1985	6.3	1.8
1986 *	5.1	1.8
1987	6.6	1.0
1988	5.6	1.0
MEAN	6.0	1.9
MAX	6.6	3.2
MIN	4.7	1.0
N	12	12
SD	0.63	0.68

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BAY
 TWP : FARADAY
 COUNTY : HASTINGS

ID NUMBER : 18-3490-008-01

WATERSHED AREA : 7.1	sq.km	SHORELINE : 6.8 km.
SURFACE AREA : 87.0	ha.	COTTAGES : 48
MAX DEPTH : 24.0	m.	RESORTS : 1(10)
VOLUME : 9.00	mill cu. m.	% CROWN LAND : 3

OFF LEOPFSKY'S POINT

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/10/88	6.4	0.5
07/24/88	6.4	0.4
08/02/88	7.0	0.4
08/14/88	5.8	0.8
08/21/88	5.2	0.7
08/28/88	5.2	1.5
09/05/88	5.2	1.1
09/11/88	4.9	0.7
09/18/88	6.1	0.6
09/25/88	5.8	0.8
MEAN	5.8	0.8
MAX	7.0	1.5
MIN	4.9	0.4
N	10	10
SD	0.68	0.34

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1977 **	8.0	1.1
1979 *	4.7	1.4
1985 **	6.5	1.0
1987	7.1	0.9
1988	5.8	0.8
MEAN	6.8	1.0
MAX	6.5	1.4
MIN	4.7	0.8
N	5	5
SD	1.57	0.23

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : BEAVER
 TWP : SHEFFIELD
 COUNTY : LENNOX & ADDINGTON

ID NUMBER : 17-0031-001-01

WATERSHED AREA	: 534	sq.km	SHORELINE	: 15.6 km.
SURFACE AREA	: 280	ha.	COTTAGES	: 143
MAX DEPTH	: 6.10	m.	RESORTS	: 1 (10)
VOLUME	: 9.2	mill cu. m.	% CROWN LAND	: 0

SOUTH END

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
07/12/88	2.4	1.6
07/19/88	2.3	0.8
07/26/88	1.9	1.1
08/04/88	3.4	1.9
08/10/88	1.9	2.7
08/18/88	2.9	6.1
08/30/88	1.9	8.7
09/08/88	2.7	3.2
MEAN	2.4	3.3
MAX	3.4	8.7
MIN	1.9	0.8
N	8	8
SD	0.55	2.76

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1975 **	2.8	6.5
1976 *	3.0	7.5
1981 **	3.3	3.3
1982 *	3.1	4.3
1983 **	2.9	2.4
1985 **	2.7	4.6
1986	2.2	6.1
1987	2.3	2.7
1988	2.4	3.3
MEAN	2.7	4.5
MAX	3.3	7.5
MIN	2.2	2.4
N	9	9
SD	0.38	1.81

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BIG GULL (CLARENDON)

ID NUMBER : 18-3430-003-01

TWP : KENNEBEC, OLDEN, BARRIE, CLARENDON
COUNTY : FRONTENACWATERSHED AREA : 137.00 sq.km
SURFACE AREA : 236.0 ha.
MAX DEPTH : 26.00 m.
VOLUME : 919.70 mill cu. m.SHORELINE : 89.00 km.
COTTAGES : 280 (1974)
RESORTS : 10 (156)
% CROWN LAND : 25

PINNACLE POINT

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)
06/12/88	5.2	1.2
07/03/88	4.6	0.8
07/14/88	4.3	
08/01/88	4.3	1.5
08/07/88	4.0	2.6
08/14/88	4.0	2.9
08/21/88	4.3	1.5
09/05/88	4.3	2.2
MEAN	4.4	1.8
MAX	5.2	2.9
MIN	4.0	0.8
N	8	7
SD	0.39	0.77

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR)	(METERS)	(UG/L)
1972 **	5.3	2.4
1975 **	3.4	5.0
1976	4.6	3.2
1977	4.6	3.0
1978	4.6	3.0
1979 *	4.1	2.0
1980 *	3.7	4.1
1982	3.9	2.5
1983	3.7	3.2
1984	4.0	2.9
1985	4.2	2.4
1986	4.1	2.6
1987	4.3	1.8
1988	4.4	1.8
MEAN	4.2	2.9
MAX	5.3	5.0
MIN	3.4	1.8
N	14	14
SD	0.48	0.84

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BIG RIDEAU
 TWP : NORTH & SOUTH BURGESS & ELMSLEY, BASTARD
 COUNTY : LANARK, LEEDS

ID NUMBER : 18-0033-006-01

WATERSHED AREA : 478.90 sq.km
 SURFACE AREA : 4700 ha.
 MAX DEPTH : 95.00 m.
 VOLUME : 799.97 mill. cu. m.

SHORELINE : 172.00km.
 COTTAGES : 1053+12 HOUSES
 RESORTS : 12 (621)
 % CROWN LAND : 5

BRITON BAY

HUDSON BAY

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)	
07/06/88	4.4	1.2	
07/19/88	4.0	2.2	
07/27/88	4.0	2.2	
08/03/88	3.8	0.9	
08/10/88	4.2	2.7	
08/16/88	4.1	2.8	
08/25/88	3.8	2.5	
08/30/88	4.9	4.2	
09/06/88	4.6	2.2	
09/15/88	4.1	3.3	
09/22/88	4.4	1.2	
MEAN	4.2	2.3	
MAX	4.9	4.2	
MIN	3.8	0.9	
N	11	11	
SD	0.34	0.97	

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)	
05/27/88	4.0	1.8	
06/21/88	3.4	0.8	
06/27/88	3.4	2.7	
07/05/88	3.7	2.1	
07/22/88	3.4	1.8	
08/08/88	3.0	1.8	
08/27/88	3.4	2.1	
09/13/88	3.0	2.0	
MEAN	3.4	1.9	
MAX	4.0	2.7	
MIN	3.0	0.8	
N	8	8	
SD	0.33	0.53	

BETWEEN SAND ISLAND AND NORTH SHORE

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)	
06/14/88	3.0		
06/19/88	2.7	0.4	
MEAN	2.9	0.4	
MAX	3.0	0.4	
MIN	2.7	0.4	
N	2	1	
SD	0.22		

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)	
06/12/88	3.4	1.3	
06/26/88	3.4	2.2	
07/10/88	5.8	1.5	
08/01/88	5.2	0.9	
08/21/88	4.6	2.1	
09/18/88	4.3	3.3	
MEAN	4.5	1.9	
MAX	5.8	3.3	
MIN	3.4	0.9	
N	6	6	
SD	0.96	0.85	

LAKE : BIG RIDEAU

ID NUMBER : 18-0033-006-01

TWP : NORTH & SOUTH BURGESS & ELM斯LEY, BASTARD

COUNTY : LANARK, LEEDS

WATERSHED AREA	: 478.90	sq.km	SHORELINE	: 172.00km.
SURFACE AREA	: 4700	ha.	COTTAGES	: 1063+12 HOUSES
MAX DEPTH	: 95.00	m.	RESORTS	: 12 (621)
VOLUME	: 799.97	mill cu. m.	% CROWN LAND	: 5

HISTORICAL RECORD-BRITON BAY

HISTORICAL RECORD - COMBINED

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(YEAR)			(METERS)	(UG/L)
1975 **	4.8		3.0	
1977 *	3.3		2.0	
1978	4.5		3.0	
1979 *	4.2		3.3	
1987	4.0		2.8	
1988	4.2		2.5	
MEAN	4.2		2.7	
MAX	4.8		3.3	
MIN	3.3		2.0	
N	6		6	
SD	0.51		0.49	

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(YEAR)			(METERS)	(UG/L)
1971 **	3.8		2.9	
1975 **	4.6		3.9	
1976	4.1		3.4	
1977	4.2		3.2	
1978	4.5		3.0	
1979	4.4		3.4	
1980 *	3.7		4.7	
1981 **	3.3		3.8	
1983	2.9		4.7	
1984	3.7		3.6	
1985	2.7		3.1	
1986	4.4		2.7	
1987	3.5		3.6	
1988	3.4		1.9	
MEAN	3.9		3.4	
MAX	4.6		4.7	
MIN	2.9		1.9	
N	14		14	
SD	0.51		0.79	

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

LAKE : BLACK
 TWP : NORTH BURGESS
 COUNTY : LANARK

ID NUMBER : 18-0033-026-01

WATERSHED AREA	67.1	sq.km	SHORELINE	20.1	km.
SURFACE AREA	3.42	ha.	COTTAGES	188	
MAX DEPTH	23.0	m.	RESORTS	1	
VOLUME	24.84	mill cu. m.	% CROWN LAND	0	

SOUTHWEST END

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
06/13/88	6.1	0.4
06/27/88	6.4	0.8
07/05/88	3.5	0.4
07/18/88	6.4	1.1
07/25/88	6.6	1.8
08/02/88	6.2	2.9
08/09/88	5.2	14.0
08/20/88	4.4	6.4
08/22/88	4.0	5.1
08/29/88	4.9	2.9
10/13/88	2.9	6.7
MEAN	5.1	3.9
MAX	6.6	14.0
MIN	2.9	0.4
N	11	11
SD	1.30	4.07

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975 **	3.7	6.0
1980 *	3.3	5.7
1983 **	5.8	2.4
1985	4.8	3.3
1986	3.9	3.9
1987	4.2	4.3
1988	5.1	3.9
MEAN	4.4	4.2
MAX	5.8	6.0
MIN	3.3	2.4
N	7	7
SD	0.88	1.27

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BLACK BAY - PETAWAWA RIVER
 TWP : PETAWAWA
 COUNTY : RENFREW

ID NUMBER : 18-4930-001-01

WATERSHED AREA :	69.93	sq.km	SHORELINE :	6.7	km.
SURFACE AREA :		ha.	COTTAGES :	34	(1975)
MAX DEPTH :		m.	RESORTS :		
VOLUME :		mill cu. m.	% CROWN LAND :		

152 M. OFF NORTH SHORE

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/19/88	3.0	1.3
06/26/88	2.6	0.7
07/03/88	4.1	0.6
07/10/88	3.5	1.4
07/17/88	3.7	0.9
07/26/88	2.9	1.1
08/03/88	3.2	0.9
08/07/88	3.2	1.9
08/16/88	3.2	2.6
08/23/88	2.6	1.2
08/28/88	3.2	1.5
09/11/88	3.5	1.6
09/25/88	4.1	1.7
10/03/88	3.5	1.6
MEAN	3.3	1.4
MAX	4.1	2.6
MIN	2.6	0.6
N	14	14
SD	0.47	0.53

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1986	3.3	2.6
1986	3.3	1.4
MEAN	3.3	2.0
MAX	3.3	2.6
MIN	3.3	1.4
N	2	2
SD	0.00	0.85

LAKE : BLACK DONALD
 TWP : BROUHAM
 COUNTY : RENFREW

ID NUMBER : 18-3490-043-01

WATERSHED AREA	7393.00	sq.km	SHORELINE	:	km.
SURFACE AREA	1550.0	ha.	COTTAGES	:	103
MAX DEPTH	44.00	m.	RESORTS	:	2(102)
VOLUME	:	mill cu. m.	% CROWN LAND	:	20

EAST BAY

HISTORICAL RECORD

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)			(METERS)	(UG/L)
05/01/88	5.8		0.2	
05/15/88	4.6		0.7	
05/22/88	4.3		1.0	
06/18/88	5.8		0.1	
07/03/88	6.4		0.6	
07/10/88	6.1		1.0	
07/30/88	6.4		0.3	
08/05/88	6.4		0.7	
08/14/88	6.4		1.0	
08/28/88	5.5		1.8	
09/18/88	5.8		1.9	
MEAN	5.8		0.8	
MAX	6.4		1.9	
MIN	4.3		0.1	
N	11		11	
SD	0.73		0.59	

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(YEAR)			(METERS)	(UG/L)
1978 *			4.2	3.3
1982 *			4.9	3.0
1983			5.6	1.7
1984			5.3	2.9
1985			5.7	1.7
1986			4.9	2.2
1987			5.7	1.8
1988			5.8	0.8
MEAN			5.3	2.2
MAX			5.6	3.3
MIN			4.2	0.8
N			8	8
SD			0.56	0.64

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BOB'S : LONG BAY
 TWP : BEDFORD
 COUNTY : FRONTENAC

ID NUMBER : 18-0033-010-01

WATERSHED AREA :	sq.km	SHORELINE :	km.
SURFACE AREA :	ha.	COTTAGES :	
MAX DEPTH :	m.	RESORTS :	
VOLUME :	mill cu. m.	% CROWN LAND :	0

LONG BAY

HISTORICAL RECORD

SAMPLE DATE SECCHI DEPTH CHLOROPHYLL A		
(MM/DD/YY) (METERS) (UG/L)		
07/25/88	5.9	1.5
08/05/88	5.9	1.1
08/12/88	4.3	2.6

MEAN

MAX

MIN

N

SD

SAMPLE DATE SECCHI DEPTH CHLOROPHYLL A		
(YEAR) (METERS) (UG/L)		
1975 *	5.3	3.6
1981	3.9	4.7
1982	2.6	4.3
1983	2.2	4.2
1984	3.0	3.2
1985 *	2.8	5.1
1986 *	3.5	3.8
1987 *	4.4	2.4
1988 *	5.4	1.7

MEAN

MAX

MIN

N

SD

LAKE : BOB'S : MUD BAY
 TWP : BEDFORD
 COUNTY : FRONTENAC

ID NUMBER : 18-0033-008-01

WATERSHED AREA : 6.11
 SURFACE AREA : 202.0
 MAX DEPTH : 7.30
 VOLUME : 6.40

sq. km.
 ha.
 m.
 mill cu. m.

SHORELINE : 0.00 km.
 COTTAGES : 150+15 HOUSES
 RESORTS : 4 (62)
 % CROWN LAND : 20

MUD BAY

HISTORICAL RECORD

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
05/25/88		3.4	0.7
06/24/88		4.3	0.9
07/21/88		2.7	0.9
08/18/88		2.0	9.6
08/30/88		1.7	15.0
09/15/88		2.0	10.0
09/25/88		1.5	6.4
MEAN		2.5	6.2
MAX		4.3	15.0
MIN		1.5	0.7
N		7	7
SD		1.02	5.63

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(YEAR)		(METERS)	(UG/L)
1975	**	4.0	7.6
1976		3.5	6.0
1977		3.8	3.6
1980		3.5	7.4
1981		2.9	6.0
1982		3.2	6.0
1983		2.8	4.1
1984		2.5	5.2
1985		3.1	5.5
1986		2.3	9.2
1987		2.7	3.6
1988		2.5	6.2
MEAN		3.1	5.9
MAX		4.0	9.2
MIN		2.3	3.6
N		12	12
SD		0.55	1.64

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : BOIS DUR, LAC DU - PETAWAWA RIVER
 TWP : PETAWAWA
 COUNTY : RENFREW

ID NUMBER : 18-4930-002-01

WATERSHED AREA :	sq.km	SHORELINE : 24.15 km.
SURFACE AREA : 2.42	ha.	COTTAGES : 22
MAX DEPTH : 58.0	m.	RESORTS :
VOLUME : 10.85	mill cu. m.	% CROWN LAND :

MID - LAKE

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/13/88	3.8	1.2
08/03/88	4.2	1.2
08/11/88	3.4	2.0
08/23/88	3.8	0.7
08/31/88	4.1	0.9

MEAN	3.9	1.2
MAX	4.2	2.0
MIN	3.4	0.7
N	5	5
SD	0.32	0.49

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1986 *	3.8	1.6
1987	4.0	1.6
1988 *	3.9	1.2

MEAN	3.9	1.5
MAX	4.0	1.6
MIN	3.6	1.2
N	3	3
SD	0.10	0.23

NOTE : * Based on less then 6 readings.
 ** Recreational lakes included.

LAKE : BRULE (WENSLEY)
 TWP : MILLER
 COUNTY : FRONTENAC

ID NUMBER : 18-3490-010-01

WATERSHED AREA : 52.79	sq.km	SHORELINE : 26.60 km.
SURFACE AREA : 571.0	ha.	COTTAGES : 85
MAX DEPTH : 56.40	m.	RESORTS : 2(3)
VOLUME : 126.65	mill cu. m.	% CROWN LAND : 35

VARIOUS LOCATIONS

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/23/88	7.6	0.5
08/01/88	7.3	0.6
08/01/88	7.6	0.6
08/14/88	7.6	1.3
08/14/88	7.9	0.8
09/02/88	7.3	0.7
09/02/88	7.5	0.8
09/16/88	7.2	0.8
09/16/88	7.3	0.8
MEAN	7.5	0.8
MAX	7.9	1.3
MIN	7.2	0.5
N	9	9
SD	0.22	0.23

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 **	7.7	2.9
1979	6.5	1.8
1980	6.8	2.1
1981	7.3	1.8
1982	7.5	1.4
1983	8.3	1.1
1984	6.6	2.2
1985	7.2	1.8
1986	7.7	1.6
1987	7.6	1.1
1988	7.5	0.8
MEAN	7.3	1.7
MAX	8.3	2.9
MIN	6.5	0.8
N	11	11
SD	0.54	0.59

NOTE : * Based on less then 6 readings.
 ** Recreational Lakes included.

LAKE : BUCK : NORTH BAY
 TWP : LOUGHBOROUGH, BEDFORD, STORRINGTON
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-002-01

WATERSHED AREA	: 19.16	sq.km	SHORELINE	: 15.00 km.
SURFACE AREA	: 276.0	ha.	COTTAGES	: 77 (1976)
MAX DEPTH	: 32.00	m.	RESORTS	: 1 (25)
VOLUME	: 27.78	mill cu. m.	% CROWN LAND	: 10

NORTH BAY - NORTH END

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/22/88	3.8	1.6
06/12/88	5.2	1.3
06/19/88	5.8	0.9
06/24/88	6.1	0.6
07/07/88	7.3	0.5
07/09/88	6.6	0.5
07/16/88	6.1	1.5
07/18/88	5.8	2.5
07/22/88	6.1	1.4
08/10/88	5.2	2.3
08/17/88	4.3	3.4
08/21/88	4.6	2.9
08/30/88	4.0	7.8
09/03/88	3.7	4.1
09/18/88	3.4	5.7
10/08/88	4.0	3.8
MEAN	15.1	12.6
MAX	7.3	7.8
MIN	3.4	0.5
N	16	16
SD	1.18	2.04

NORTH BAY - SOUTH END

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	3.8	2.7
06/26/88	5.2	1.3
07/03/88	6.2	0.6
07/10/88	5.3	0.9
07/17/88	5.8	2.0
07/24/88	4.6	2.9
08/01/88	4.3	1.4
10/08/88	3.8	4.6
MEAN	4.9	2.1
MAX	6.2	4.6
MIN	3.8	0.6
N	8	8
SD	0.90	1.31

LAKE : BUCK : NORTH BAY
 TWP : LOUGHBOROUGH, BEDFORD, STORRINGTON
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-002-01

WATERSHED AREA	19.16	sq.km	SHORELINE	15.00 km.
SURFACE AREA	276.0	ha.	COTTAGES	77 (1976)
MAX DEPTH	32.00	m.	RESORTS	1 (25)
VOLUME	27.78	mill cu. m.	% CROWN LAND	10

HISTORICAL RECORD - N&S ENDS

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(µg/L)	
1975 **	4.3	3.9	
1976 *	3.2	5.3	
1977	3.5	3.5	
1978	3.9	5.0	
1979 **	3.2	5.9	
1980	3.8	4.7	
1981	4.1	3.8	
1982	3.9	3.2	
1983	4.7	2.4	
1984	3.9	4.8	
1985	3.5	4.9	
1986	3.8	5.0	
1987	4.3	2.8	
1988	5.0	2.4	
MEAN	3.9	4.1	
MAX	5.0	5.9	
MIN	3.2	2.4	
N	14	14	
SD	0.52	1.13	

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : BUCK : SOUTH BAY

ID NUMBER : 12-0004-004-01

TWP : LOUGHBOROUGH, BEDFORD, STORRINGTON
COUNTY : FRONTENAC

WATERSHED AREA	62.14	sq.km	SHORELINE	30.9 km.
SURFACE AREA	467.4	ha.	COTTAGES	181 (1975)
MAX DEPTH	39	m.	RESORTS	1(4)
VOLUME	61.0	mill cu. m.	% CROWN LAND	0

SOUTH BAY - OFF PORCUPINE ISLAND

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
04/17/88	4.9	2.0
05/01/88	4.9	3.8
05/23/88	4.4	2.5
05/29/88	4.6	2.2
06/05/88	5.0	1.7
06/12/88	5.0	1.6
06/18/88	5.1	1.3
06/25/88	5.5	1.6
07/03/88	5.5	1.1
07/10/88	6.2	0.9
07/18/88	6.1	1.2
07/23/88	5.3	1.3
07/25/88	5.2	3.0
07/28/88	5.3	2.6
08/02/88	5.2	1.5
08/07/88	5.9	1.9
08/14/88	5.6	1.3
08/21/88	6.2	1.8
08/29/88	6.1	1.4
09/05/88	5.3	4.1
09/11/88	5.0	1.2
09/18/88	5.8	2.1
10/01/88	5.5	1.4
10/10/88	5.9	2.2
10/15/88	5.5	2.4
10/30/88	6.6	2.9
11/07/88	5.5	1.4
11/20/88	6.1	3.5
11/27/88	6.1	3.7

MEAN	5.5	2.1
MAX	6.6	4.1
MIN	4.4	0.9
N	29	29
SD	0.53	0.89

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975 **	5.2	2.9
1976	5.8	3.5
1979 **	4.3	3.5
1985	4.5	3.0
1987	5.2	2.5
1988	5.5	2.1

NOTE : * Based on less then 6 readings.
** Recreational lakes included.

LAKE : BURRIDGE
 TWP : BEDFORD
 COUNTY : FRONTENAC

ID NUMBER : 18-0033-014-01

WATERSHED AREA	: 4.53	sq.km	SHORELINE	: 6.90 km.
SURFACE AREA	: 81.0	ha.	COTTAGES	: 47 (1974)
MAX DEPTH	: 16.20	m.	RESORTS	:
VOLUME	: 5.89	mill cu. m.	% CROWN LAND	: 0

VARIOUS LOCATIONS

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :			SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)	(YEAR)	(METERS)	(UG/L)
05/05/88	6.1	0.2	1980	4.5	3.6
05/12/88	6.1	0.1	1981	4.4	2.5
06/05/88	5.2	0.1	1982	4.7	1.1
07/04/88	4.0	0.8	1983 **	5.6	1.8
07/11/88	3.4	0.2	1984	4.1	3.0
07/16/88	3.4	0.8	1985	4.9	2.1
07/24/88	4.0	0.9	1986	4.6	2.6
08/07/88	4.3	1.5	1987	4.5	2.2
08/22/88	3.4	1.2	1988	4.6	0.8
08/24/88	3.7	2.0			
09/05/88	4.6	2.0		MEAN	4.7
09/11/88	4.9	1.3		MAX	5.6
09/17/88	4.9	0.9		MIN	4.1
09/23/88	4.3	1.7		N	9
MEAN	4.4	1.0		SD	0.42
MAX	6.1	2.0			0.86
MIN	3.4	0.1			
N	14	14			
SD	0.91	0.67			

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : CASHEL
 TWP : CASHEL
 COUNTY : HASTINGS

ID NUMBER : 17-0021-002-01

WATERSHED AREA	28.59	sq.km	SHORELINE	10.2 km.
SURFACE AREA	168	ha.	COTTAGES	39
MAX DEPTH	27.4	m.	RESORTS	0
VOLUME	13.10	mill cu. m.	% CROWN LAND	82

SOUTH END

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/14/88	3.8	0.9
05/23/88	4.6	1.1
06/05/88	4.0	1.3
06/11/88	4.6	0.3
05/06/88	4.3	1.6
06/27/88	3.7	0.6
07/02/88	5.2	0.4
07/09/88	5.2	0.5
07/22/88	5.8	0.2
07/30/88	4.6	0.2
08/06/88	4.3	0.9
08/28/88	4.3	1.4
09/19/88	4.6	0.3
09/23/88	4.9	0.6
MEAN	4.6	0.7
MAX	5.8	1.6
MIN	3.7	0.2
N	14	14
SD	0.58	0.47

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1977 **	5.2	1.5
1980	5.8	2.1
1981	5.7	2.1
1985 **	4.4	1.6
1987	4.9	1.3
1988	4.6	0.8
MEAN	5.1	1.6
MAX	5.8	2.1
MIN	4.4	0.8
N	6	6
SD	0.57	0.50

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : CHARLESTON

ID NUMBER : 12-0017-002-01

TWP : REAR OF LEEDS & LANSDOWNE, FRONT & REAR OF YONGE

COUNTY : LEEDS

WATERSHED AREA : 300.00 sq.km

SURFACE AREA : 2517.0 ha.

MAX DEPTH : 91.00 m.

VOLUME : 437.00 mill cu. m.

SHORELINE : 152.00km.

COTTAGES : 627 +63 HOUSES

RESORTS : 3(40)+(227) PR

% CROWN LAND : 20

GOOSE ISLAND

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/01/88	3.7	2.0
05/08/88	3.7	4.2
05/15/88	3.0	1.5
05/23/88	4.6	1.3
05/29/88	4.3	1.6
06/05/88	3.0	2.8
06/12/88	3.0	2.6
06/19/88	3.7	2.6
06/26/88	3.4	3.0
07/03/88	4.0	1.0
07/10/88	3.7	2.6
07/17/88	4.3	1.6
07/24/88	4.3	2.5
08/01/88	3.0	0.6
08/07/88	2.4	1.3
08/14/88	3.4	2.7
08/21/88	4.3	1.9
08/28/88	3.7	5.7
09/05/88	4.0	2.6
09/11/88	3.4	3.0
09/18/88	4.6	3.5
09/25/88	4.9	1.9
10/02/88	4.6	1.6

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1978	3.9	2.9
1979	4.2	3.2
1980	4.2	3.4
1981	3.6	5.0
1982	4.1	3.4
1983	4.4	2.5
1984	3.4	3.8
1985	4.2	2.3
1986	3.5	3.9
1987	3.9	2.7
1988	3.8	2.4

MEAN	3.9	3.2
MAX	4.4	5.0
MIN	3.4	2.3
N	11	11
SD	0.33	0.80

MEAN	3.8	2.4
MAX	4.9	5.7
MIN	2.4	0.6
N	23	23
SD	0.65	1.12

LAKE : CHARLESTON

ID NUMBER : 12-0017-002-01

TWP : REAR OF LEEDS & LANSDOWNE, FRONT & REAR OF YONGE

COUNTY : LEEDS

WATERSHED AREA : 300.00 sq.km

SURFACE AREA : 2517.0 ha.

MAX DEPTH : 91.00 m.

VOLUME : 437.00 mill cu. m.

SHORELINE : 152.00km.

COTTAGES : 627 +63 HOUSES

RESORTS : 3(40)+(227) PR

% CROWN LAND : 20

WEBSTER'S BAY

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/01/88	3.7	1.7
05/08/88	3.4	4.4
05/15/88	3.0	1.5
05/23/88	4.9	1.6
05/29/88	4.3	1.8
06/05/88	3.4	2.9
06/12/88	3.0	2.7
06/19/88	4.0	2.4
06/26/88	3.7	3.0
07/03/88	4.3	0.7
07/10/88	3.7	1.8
07/17/88	4.9	2.4
07/24/88	4.9	3.0
08/01/88	3.0	0.5
08/07/88	2.7	2.5
08/14/88	3.0	3.1
08/21/88	4.0	1.6
08/28/88	3.7	3.8
09/05/88	4.0	2.7
09/11/88	3.7	3.0
09/18/88	4.6	3.3
09/25/88	5.2	2.1
10/02/88	4.6	1.4

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976	3.6	3.3
1978	3.9	3.4
1979	4.4	3.2
1980	4.4	3.9
1981	3.7	5.2
1982	4.4	3.8
1983	4.5	2.2
1984	3.5	2.9
1985	4.5	2.2
1986	3.4	3.6
1987	3.6	3.2
1988	3.9	2.3

MEAN : 4.0 : 3.3
 MAX : 4.5 : 5.2
 MIN : 3.4 : 2.2
 N : 12 : 12
 SD : 0.43 : 0.85

MEAN	3.9	2.3
MAX	5.2	4.4
MIN	2.7	0.5
N	23	23
SD	0.72	0.94

LAKE : CHARLESTON

ID NUMBER : 12-0017-002-01

TWP : REAR OF LEEDS & LANSDOWNE, FRONT & REAR OF YONGE

COUNTY : LEEDS

WATERSHED AREA : 300.00 sq.km

SURFACE AREA : 2517.0 ha.

MAX DEPTH : 91.00 m.

VOLUME : 437.00 mill cu. m.

SHORELINE : 152.00km.

COTTAGES : 627 +63 HOUSES

RESORTS : 3(40)+(227) PR

% CROWN LAND : 20

WESTERN WATER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/01/88	3.0	1.4
05/08/88	3.0	3.9
05/15/88	3.0	1.2
05/23/88	4.3	1.8
05/29/88	4.3	1.9
06/05/88	3.0	2.6
06/12/88	2.7	2.9
06/19/88	4.0	2.5
06/26/88	3.7	2.8
07/03/88	4.6	0.8
07/10/88	4.0	2.4
07/17/88	4.6	3.2
07/24/88	4.9	3.4
08/01/88	3.3	0.5
08/07/88	3.0	2.3
08/14/88	3.7	1.2
08/21/88	4.0	1.6
08/28/88	4.0	2.8
09/05/88	4.6	3.2
09/11/88	3.7	2.8
09/18/88	4.0	3.0
09/25/88	4.9	2.1
10/02/88	4.6	1.5

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971 **	3.2	3.9
1978	4.0	3.0
1979	4.5	4.7
1980	4.3	4.2
1981	3.8	5.6
1982	4.5	3.9
1983	4.8	2.9
1984	3.3	2.7
1985	4.6	2.1
1986	3.5	4.0
1987	3.7	3.0
1988	3.9	2.3

MEAN : 4.0 : 3.5
 MAX : 4.8 : 5.6
 MIN : 3.2 : 2.1
 N : 12 : 12
 SD : 0.53 : 1.04

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

MEAN	3.9	2.3
MAX	4.9	3.9
MIN	2.7	0.5
N	23	23
SD	0.68	0.89

LAKE : CHIPPEGO
 TWP : HINCHINBROOKE
 COUNTY : FRONTENAC

ID NUMBER : 17-0035-002-01

WATERSHED AREA	: 11.90	sq.km	SHORELINE	: 7.90 km.
SURFACE AREA	: 103.0	ha.	COTTAGES	: 57 (1983)
MAX DEPTH	: 8.30	m.	RESORTS	: 1
VOLUME	: 6.85	mill cu. m.	% CROWN LAND	: 0

SOUTH END

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/02/88	3.1	3.1
06/09/88	3.4	2.9
06/18/88	3.7	2.6
06/27/88	3.7	1.1
07/03/88	3.8	0.7
07/17/88	3.5	0.3
07/27/88	4.0	2.7
08/02/88	4.0	1.0
08/12/88	3.8	1.5
08/25/88	3.5	1.8
08/30/88	3.8	1.5
09/09/88	3.5	1.2
09/22/88	3.7	3.5
09/29/88	4.0	3.3
10/11/88	3.5	4.6
MEAN	3.7	2.1
MAX	4.0	4.6
MIN	3.1	0.3
N	15	15
SD	0.25	1.22

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1979	3.1	6.0
1980	3.1	7.8
1981	3.2	5.6
1982	3.1	4.1
1983 **	3.2	3.9
1984	3.3	5.2
1985	3.6	6.1
1986	3.2	5.9
1987	3.4	3.6
1988	3.6	1.9
MEAN	3.3	5.0
MAX	3.6	7.8
MIN	3.1	1.9
N	10	10
SD	0.19	1.66

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : CHRISTIE
 TWP : SHERBROOKE, BATHURST
 COUNTY : LANARK

ID NUMBER : 18-0033-015-01

WATERSHED AREA	:	416	sq.km	SHORELINE	:	27.4 km.
SURFACE AREA	:	646	ha.	COTTAGES	:	265
MAX DEPTH	:	18.3	m.	RESORTS	:	5 (20)
VOLUME	:	55.17	mill cu. m.	% CROWN LAND	:	0

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/07/88	4.9	1.7
05/14/88	6.4	0.5
05/21/88	6.1	1.0
05/29/88	6.1	2.0
06/04/88	5.5	1.9
06/12/88	5.8	0.5
06/18/88	5.8	0.9
06/25/88	5.2	1.7
07/02/88	5.2	0.9
07/17/88	5.8	0.7
07/24/88	5.8	2.0
08/07/88	5.8	3.2
09/11/88	3.0	8.5
09/18/88	3.0	8.6
10/09/88	3.4	7.4
MEAN	5.2	2.8
MAX	6.4	8.6
MIN	3.0	0.5
N	15	15
SD	1.13	2.90

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971	7.6	0.8
1975 **	4.5	4.7
1976	4.8	4.2
1977	4.4	5.8
1978	4.8	4.2
1979	4.4	6.1
1980	4.7	5.0
1981	3.4	4.8
1982	4.2	2.9
1985	4.6	5.5
1986	4.6	4.2
1987	4.4	4.5
1988	5.2	2.6
MEAN	4.7	4.3
MAX	7.6	6.1
MIN	3.4	0.8
N	13	13
SD	0.96	1.42

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : CROSBY (BIG CROSBY)
 TWP : NORTH CROSBY
 COUNTY : LEEDS

ID NUMBER : 18-0033-016-01

WATERSHED AREA	26.60	sq.km	SHORELINE	17.70 km.
SURFACE AREA	263.0	ha.	COTTAGES	158 (1974)
MAX DEPTH	19.00	m.	RESORTS	0
VOLUME	21.68	mill cu. m.	% CROWN LAND	0

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/15/88	3.4	3.8
05/23/88	3.7	2.0
05/28/88	5.2	0.4
06/12/88	5.6	0.7
06/19/88	4.0	2.6
07/03/88	4.0	0.8
07/10/88	5.2	1.3
08/02/88	6.4	0.7
08/14/88	4.0	1.5
09/05/88	4.6	3.6
09/25/88	5.2	2.7
MEAN	4.7	1.8
MAX	6.4	3.8
MIN	3.4	0.4
N	11	11
SD	0.95	1.20

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1974 **	3.7	5.0
1975 **	4.1	5.4
1979 *	3.4	7.1
1980	4.0	3.9
1981	4.4	3.8
1982	4.2	3.2
1983	4.0	2.2
1984	4.5	2.7
1985	4.3	3.9
1986 **	3.5	7.2
1987	4.2	2.8
1988	4.7	1.8
MEAN	4.1	4.1
MAX	4.7	7.2
MIN	3.4	1.8
N	12	12
SD	0.39	1.77

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : CROWE
 TWP : MARMORA
 COUNTY : HASTINGS

ID NUMBER : 17-0021-003-01

WATERSHED AREA	: 1414.00	sq.km	SHORELINE	: 21.00 km.
SURFACE AREA	: 876.0	ha.	COTTAGES	: 328
MAX DEPTH	: 15.80	m.	RESORTS	: 6 (548)
VOLUME	: 49.38	mill cu. m.	% CROWN LAND	: 0

REGULAR LOCATION

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)
07/03/88	2.6	1.1
07/17/88	3.4	1.7
08/01/88	3.3	1.7
08/07/88	3.0	2.5
08/14/88	2.4	2.4
08/22/88	2.7	2.0
08/29/88	2.7	3.5
MEAN	2.9	2.1
MAX	3.4	3.5
MIN	2.4	1.1
N	7	7
SD	0.37	0.77

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR)	(METERS)	(UG/L)
1972 **	3.8	2.5
1974	4.7	1.8
1975 *	4.7	4.1
1976	4.7	5.0
1977 *	3.9	4.5
1978	2.4	3.2
1979	2.5	5.0
1980	3.0	5.0
1981	2.9	3.0
1982	3.2	2.4
1983	2.9	2.4
1984 *	2.7	4.8
1985	2.5	4.1
1986	2.4	3.5
1987	2.6	1.9
1988	2.9	2.1
MEAN	3.2	3.5
MAX	4.7	5.0
MIN	2.4	1.8
N	16	16
SD	0.85	1.19

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : DAVERN
 TWP : SOUTH SHERBROOKE
 COUNTY : LANARK

ID NUMBER : 18-0033-033-01

WATERSHED AREA	: 2.40	sq.km	SHORELINE	: 4.10 km.
SURFACE AREA	: 52.0	ha.	COTTAGES	: 17
MAX DEPTH	: 25.10	m.	RESORTS	: 1 (15)
VOLUME	: 6.01	mill cu. m.	% CROWN LAND	: 0

VARIOUS LOCATIONS

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
06/22/88	5.5	1.9
07/01/88	5.8	2.5
07/24/88	6.4	3.3
08/15/88	5.2	1.6
08/18/88	5.5	0.9
09/07/88	4.6	1.1
09/25/88	4.9	1.4
MEAN	5.4	1.8
MAX	6.4	3.3
MIN	4.6	0.9
N	7	7
SD	0.59	0.84

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1980 **	5.1	1.7
1981 **	5.0	2.9
1982	5.0	1.7
1983	5.7	2.0
1984	5.2	2.5
1985	5.7	1.6
1986	5.4	2.0
1987	5.4	2.0
1988	5.4	1.8
MEAN	5.3	2.0
MAX	5.7	2.9
MIN	5.0	1.6
N	9	9
SD	0.27	0.42

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : DEMPSEYS (VIRGIN)
 TWP : BAGOT, BLYTHFIELD
 COUNTY : RENFREW

ID NUMBER : 18-3490-014-01

WATERSHED AREA :	13.80	sq.km	SHORELINE :	km.
SURFACE AREA :	46.0	ha.	COTTAGES :	
MAX DEPTH :		m.	RESORTS :	
VOLUME :		mill cu. m.	% CROWN LAND :	35

MIDWAY BETWEEN POINT AND ISLAND

HISTORICAL RECORD

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)			(METERS)	(UG/L)
06/14/88	5.0		0.9	
07/05/88	6.0		1.2	
07/20/88	5.5		1.3	
08/07/88	5.5		3.4	
09/07/88	5.5		5.3	
09/25/88	3.7		4.9	
10/16/88	5.5		3.8	
MEAN	5.2		3.0	
MAX	6.0		5.3	
MIN	3.7		0.9	
N	7		7	
SD	0.74		1.84	

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(YEAR)			(METERS)	(UG/L)
1980			4.2	3.6
1982			5.5	1.8
1983			5.7	2.0
1984			5.0	3.6
1985			5.3	2.5
1986			5.5	2.5
1987			4.8	2.1
1988			5.2	3.0
MEAN			5.2	2.6
MAX			5.7	3.6
MIN			4.2	1.8
N			8	8
SD			0.48	0.70

LAKE : DESERT

TWP : BEDFORD, LOUGHBOROUGH

COUNTY : FRONTENAC

WATERSHED AREA	97.00	sq.km	SHORELINE	28.00 km.
SURFACE AREA	382.0	ha.	COTTAGES	71 (1976)
MAX DEPTH	68.00	m.	RESORTS	3 (95)
VOLUME	85.50	mill cu. m.	% CROWN LAND	0

DEVON'S BAY

SOUTH BAY

SAMPLE DATE		SECCI	DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)		(US/L)	
05/15/88	3.4		4.3	
05/23/88	4.0		2.6	
05/29/88	4.6		2.3	
06/12/88	4.3		1.8	
06/19/88	4.0		1.4	
07/03/88	4.9		0.6	
07/10/88	5.2		0.7	
07/24/88	4.9		1.7	
08/07/88	5.2		2.3	
08/15/88	4.3		2.4	
09/05/88	4.6		1.5	
09/18/88	4.6		1.4	
MEAN	4.5		1.9	
MAX	5.2		4.3	
MIN	3.4		0.6	
N	12		12	
SD	0.53		0.98	

SAMPLE DATE		SECCI	DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)		(US/L)	
06/14/88	3.5		1.5	
06/24/88	4.4		1.8	
06/30/88	4.6		1.2	
07/05/88	4.8		1.2	
07/22/88	5.2		1.3	
08/02/88	4.9		1.0	
08/10/88	4.3		1.4	
09/18/88	4.0		1.4	
10/01/88	4.6		0.9	
MEAN	4.5		1.3	
MAX	5.2		1.8	
MIN	3.5		0.9	
N	9		9	
SD	0.50		0.27	

HISTORICAL RECORD

SAMPLE DATE		SECCI	DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)		(US/L)	
1975 **	5.9		3.9	
1977	4.9		2.5	
1978	5.5		2.5	
1979	4.5		3.0	
1980	4.6		3.4	
1981	4.6		3.4	
1982	4.9		2.0	
1983	5.2		1.1	
1984	5.0		3.3	
1985	4.4		3.0	
1986	4.5		2.9	
1987	4.5		2.8	
1988	4.5		1.8	
MEAN	4.8		2.8	
MAX	5.9		3.9	
MIN	4.4		1.1	
N	13		13	
SD	0.46		0.65	

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : DEVIL
 TWP : BEDFORD
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-010-01

WATERSHED AREA : 174.00 sq.km
 SURFACE AREA : 1061.0 ha.
 MAX DEPTH : 45.00 m.
 VOLUME : 152.39 mill cu. m.

SHORELINE : 36.20 km.
 COTTAGES : 220 + 3 HOUSES
 RESORTS : 4 (51)
 % CROWN LAND : 20

LAKE BAY

BUCE BAY

SAMPLE DATE (MM/DD/YY)	SECOND DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/20/88	4.9	0.6
06/08/88	5.8	1.9
06/09/88	5.5	1.7
07/10/88	5.3	0.8
07/14/88	5.5	1.5
08/01/88	5.1	1.7
08/11/88	5.1	1.1
10/10/88	5.0	1.7
MEAN	5.4	1.5
MAX	5.8	1.9
MIN	4.9	0.8
N	8	8
SD	0.34	0.51

SAMPLE DATE (MM/DD/YY)	SECOND DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/20/88	4.7	1.7
06/08/88	5.8	1.8
06/10/88	5.6	1.6
07/10/88	5.6	0.4
07/14/88	5.3	1.4
08/01/88	5.3	1.8
08/11/88	5.1	1.1
10/10/88	5.0	1.8
MEAN	5.6	1.5
MAX	5.8	1.8
MIN	4.7	0.4
N	8	8
SD	0.36	0.54

HISTORICAL RECORD

SAMPLE DATE (YEAR)	SECOND DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1974 **	5.6	1.4
1975 **	5.1	1.1
1976	5.2	1.1
1977	4.8	1.5
1978	5.3	1.9
1979	4.5	1.1
1980 *	4.5	1.4
1981 **	5.3	1.4
1982	5.7	1.2
1983	5.7	1.1
1984	5.1	1.3
1985 **	5.4	1.1
1986	5.1	1.1
1987	4.3	1.3
1988	5.4	1.8
MEAN	5.3	1.5
MAX	5.7	1.9
MIN	4.3	1.1
N	15	15
SD	0.40	0.49

LAKE : DIAMOND
 TWP : HERSHEL
 COUNTY : HASTINGS

ID NUMBER : 18-3490-015-01

WATERSHED AREA	:	32.70	sq. km	SHORELINE	:	10.00 km.
SURFACE AREA	:	150.0	ha.	COTTAGES	:	65 + 16 HOUSES
MAX DEPTH	:	23.80	m.	RESORTS	:	1 (6)
VOLUME	:	12.48	mill cu. m.	% CROWN LAND	:	60

ACROSS FROM CLIFFS

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY) : (METERS) : (UG/L) :		
06/19/88	5.8	1.7
07/03/88	6.1	1.0
07/15/88	6.1	0.8
07/18/88	5.8	1.1
08/01/88	5.8	0.8
08/28/88	4.9	0.7
09/18/88	5.2	0.8
10/01/88	5.2	0.9
MEAN	5.6	1.0
MAX	6.1	1.7
MIN	4.9	0.7
N	8	8
SD	0.45	0.32

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR) : (METERS) : (UG/L) :		
1977 **	5.4	1.7
1978	5.1	1.5
1979 *	4.9	2.0
1980	4.3	2.0
1981	5.3	1.5
1982 *	5.2	1.8
1983 **	5.9	1.5
1984 **	5.1	2.1
1985 **	5.5	2.5
1986	5.1	2.4
1987	4.9	1.6
1988	5.6	1.0
MEAN	5.2	1.8
MAX	5.9	2.5
MIN	4.3	1.0
N	12	12
SD	0.41	0.42

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : DICKEY : NORTH BASIN
 TWP : LAKE
 COUNTY : HASTINGS

ID NUMBER : 17-0021-004-01

WATERSHED AREA	49.00	sq.km	SHORELINE	4.59 km.
SURFACE AREA	54.0	ha.	COTTAGES	73
MAX DEPTH	12.20	m.	RESORTS	0
VOLUME	9.69	mill cu. m.	% CROWN LAND	0

NORTH BASIN

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/08/88	3.2	1.0
05/23/88	3.6	1.4
06/05/88	4.5	1.4
07/04/88	3.6	0.7
07/11/88	3.9	1.3
07/18/88	4.3	1.3
07/26/88	4.3	9.6
08/04/88	4.5	1.1
08/09/88	4.6	4.0
08/16/88	5.0	2.4
08/23/88	4.4	1.2
08/30/88	4.0	1.6
09/06/88	4.0	1.6
MEAN	4.1	2.2
MAX	5.0	9.6
MIN	3.2	0.7
N	13	13
SD	0.49	2.37

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971 *	4.4	1.5
1972	4.3	2.1
1973	4.3	2.2
1976 **	5.0	1.7
1980 **	4.5	2.0
1981	5.2	2.0
1982	4.6	1.8
1983	4.2	1.7
1984 *	4.8	2.9
1985	4.1	2.0
1986	3.6	2.2
1987	3.9	2.0
1988	4.1	2.2
MEAN	4.4	2.0
MAX	5.2	2.9
MIN	3.6	1.5
N	13	13
SD	0.44	0.34

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : DICKEY : SOUTH BASIN
 TWP : LAKE
 COUNTY : HASTINGS

ID NUMBER : 17-0021-005-01

WATERSHED AREA	5.46	sq.km	SHORELINE	12.55 km.
SURFACE AREA	149.0	ha.	COTTAGES	24
MAX DEPTH	46.30	m.	RESORTS	0
VOLUME	26.74	mill cu. m.	% CROWN LAND	0

SOUTH BASIN

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/08/88	4.4	0.6
05/23/88	4.9	1.1
06/05/88	5.2	1.3
07/04/88	4.6	1.2
07/11/88	4.2	1.2
07/18/88	4.5	1.2
07/26/88	5.1	1.2
08/04/88	5.1	0.7
08/09/88	5.3	1.4
08/16/88	5.3	1.6
08/23/88	4.9	1.3
08/30/88	4.5	1.5
09/06/88	4.5	1.6
MEAN	4.8	1.2
MAX	5.3	1.6
MIN	4.2	0.6
N	13	13
SD	0.38	0.30

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971 *	4.1	2.2
1972	4.5	2.0
1973	4.8	1.7
1976 **	5.2	1.5
1980	5.1	2.0
1981	5.4	1.8
1982	5.2	1.8
1983	4.5	1.2
1984	5.0	2.9
1985	4.6	1.9
1986	4.2	2.1
1987	4.3	1.8
1988	4.8	1.2
MEAN	4.7	1.9
MAX	5.4	2.9
MIN	4.1	1.2
N	13	13
SD	0.42	0.44

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : DOG : NORTH BASIN
 TWP : STORRINGTON
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-011-01

WATERSHED AREA	62.00	sq.km	SHORELINE	23.00 km.
SURFACE AREA	471.0	ha.	COTTAGES	105
MAX DEPTH	49.70	m.	RESORTS	2 (78)
VOLUME	39.90	mill cu. m.	% CROWN LAND	0

SOUTHEAST OF ST. HELENA ISLAND

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
04/20/88		11.0
04/25/88	2.8	4.2
05/24/88	2.3	1.2
05/29/88	1.8	5.8
06/08/88	2.9	5.6
06/13/88	2.7	2.1
08/02/88	2.4	8.2
MEAN	2.5	5.4
MAX	2.9	11.0
MIN	1.8	1.2
N	6	7
SD	0.41	3.40

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975 **	2.8	13.0
1979	1.9	14.1
1980	1.2	34.2
1983	2.4	8.6
1984 **	2.1	17.9
1987 *	2.6	8.5
1988	2.5	5.4
MEAN	2.2	14.5
MAX	2.8	34.2
MIN	1.2	5.4
N	7	7
SD	0.54	9.62

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

LAKE : EAGLE
 TWP : OLDEN, HINCHINBROOKE
 COUNTY : FRONTENAC

ID NUMBER : 18-0033-019-01

WATERSHED AREA	40.10	sq.km	SHORELINE	41.40 km.
SURFACE AREA	665.0	ha.	COTTAGES	135 + 1 HOUSE
MAX DEPTH	31.10	m.	RESORTS	2
VOLUME	67.20	mill cu. m.	% CROWN LAND	5

NORTH END

NORTHWEST - NORTH SIDE OPEONGO PT.

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/06/88	3.3	4.8
05/14/88	3.4	3.4
05/21/88	3.8	4.0
05/30/88	5.2	2.2
06/19/88	4.3	1.2
06/19/88	4.7	1.1
06/24/88	6.1	2.5
07/03/88	5.8	1.4
07/13/88	6.1	2.1
07/17/88	5.2	0.8
07/28/88	5.8	2.9
08/07/88	4.9	1.5
08/22/88	4.9	1.8
09/18/88	6.1	3.3
09/25/88	6.1	4.0
MEAN	5.0	2.5
MAX	6.1	4.8
MIN	3.3	0.8
N	15	15
SD	0.99	1.22

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/24/88	4.1	1.1
05/30/88	5.0	1.7
06/05/88	5.0	2.8
06/13/88	5.6	2.6
06/20/88	5.3	2.0
07/04/88	5.6	1.3
08/02/88	5.6	1.8
08/08/88	5.9	2.4
08/22/88	5.3	2.4
09/06/88	6.2	3.7
09/19/88	6.2	2.4
MEAN	5.4	2.2
MAX	6.2	3.7
MIN	4.1	1.1
N	11	11
SD	0.61	0.73

LAKE : EAGLE
 TWP : OLDEN, HINCHINBROOKE
 COUNTY : FRONTENAC

ID NUMBER : 18-0033-019-01

WATERSHED AREA : 40.10 sq.km
 SURFACE AREA : 665.0 ha.
 MAX DEPTH : 31.10 m.
 VOLUME : 67.20 mill cu. m.

SHORELINE : 41.40 km.
 COTTAGES : 135 + 1 HOUSE
 RESORTS : 2
 % CROWN LAND : 5

HISTORICAL RECORD

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)	
1975 **	5.1	3.6	
1977	4.3	2.0	
1979	4.7	3.3	
1980	4.8	4.3	
1981 **	4.5	3.0	
1982	4.9	2.7	
1983	5.3	2.5	
1984	5.9	3.4	
1985	5.4	2.4	
1986	5.4	2.9	
1987	5.3	2.9	
1988	5.2	2.4	
MEAN	5.1	2.9	
MAX	5.9	4.3	
MIN	4.3	2.0	
N	12	12	
SD	0.45	0.63	

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : EAST
 TWP : ATHOL
 COUNTY : PRINCE EDWARD

ID NUMBER : 06-0172-001-01

WATERSHED AREA : 71	sq.km	SHORELINE : km.
SURFACE AREA : 1255	ha.	COTTAGES :
MAX DEPTH : 7.6	m.	RESORTS :
VOLUME :	mill cu. m.	% CROWN LAND : 1

CENTRE

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
08/22/88	2.7	4.1
08/25/88	2.0	6.3
08/30/88	1.4	6.7
08/30/88	1.5	9.1
09/05/88	2.0	5.1
09/07/88	1.5	4.9
09/12/88	1.7	5.2
09/14/88	1.4	6.0
09/19/88	1.8	6.0
09/21/88	1.7	6.3
09/26/88	1.4	8.2
09/28/88	1.8	7.9
MEAN	1.7	6.3
MAX	2.7	9.1
MIN	1.4	4.1
N	12	12
SD	0.38	1.47

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1980 **	1.8	4.9
1985 *	0.9	9.0
1988	1.7	6.3
MEAN	1.5	6.7
MAX	1.8	9.0
MIN	0.9	4.9
N	3	3
SD	0.49	2.08

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : FARREN (FARRELL)
 TWP : SOUTH SHERBROOKE
 COUNTY : LANARK

ID NUMBER : 18-0033-020-01

WATERSHED AREA	12.25	sq.km	SHORELINE	9.50 km.
SURFACE AREA	173.0	ha.	COTTAGES	101 (1974)
MAX DEPTH	21.30	m.	RESORTS	1 (6)
VOLUME	14.32	mill cu. m.	% CROWN LAND	0

EAST END

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	5.2	0.9
06/22/88	5.2	1.0
07/04/88	6.1	0.9
07/20/88	5.5	1.3
08/01/88	4.9	1.0
08/11/88	5.2	1.9
08/19/88	4.1	0.7
09/12/88	4.0	1.1
10/17/88	3.4	2.0
MEAN	4.8	1.2
MAX	6.1	2.0
MIN	3.4	0.7
N	9	9
SD	0.85	0.46

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR)	(METERS)	(UG/L)
1975 **	4.7	3.0
1980 **	5.2	3.3
1981	5.7	2.4
1982	5.0	2.0
1983	4.9	1.8
1984	4.8	2.9
1985	5.0	1.8
1986 *	4.1	2.7
1987	5.0	2.5
1988	4.8	1.2
MEAN	4.9	2.4
MAX	5.7	3.3
MIN	4.1	1.2
N	10	10
SD	0.40	0.65

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : GANANOQUE
 TWP : REAR & FRONT OF LEEDS LANSDOWNE
 COUNTY : LEEDS

ID NUMBER : 12-0017-008-01

WATERSHED AREA	424.40	sq.km	SHORELINE	33.17 km.
SURFACE AREA	617.0	ha.	COTTAGES	111
MAX DEPTH	23.77	m.	RESORTS	2 (19)
VOLUME	42.82	mill cu. m.	% CROWN LAND	3

NEAR TURTLE ISLAND

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :			
: (MM/DD/YY) : (METERS) : (UG/L) : :			
04/07/88	2.9	1.4	
05/29/88	2.6	2.0	
07/12/88	2.7	7.2	
08/02/88	2.8	2.7	
08/24/88	2.7	3.4	
08/30/88	2.9	14.0	
09/06/88	2.7	7.0	
09/26/88	2.6	3.9	
10/05/88	2.8	1.8	
MEAN	2.7	4.8	
MAX	2.9	14.0	
MIN	2.6	1.4	
N	9	9	
SD	0.12	4.04	

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :			
: (YEAR) : (METERS) : (UG/L) : :			
1977	2.2	4.7	
1978	3.0	7.1	
1979	3.2	4.7	
1980	1.8	8.0	
1981 **	3.1	6.9	
1982 **	2.6	5.2	
1983 **	3.2	4.5	
1984 **	4.1	7.4	
1985	2.6	7.6	
1986	2.8	5.7	
1987	2.7	5.7	
1988	2.7	4.8	
MEAN	2.8	6.0	
MAX	4.1	8.0	
MIN	1.8	4.5	
N	12	12	
SD	0.57	1.29	

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : GREEN
 TWP : BROUHAM
 COUNTY : RENFREW

ID NUMBER : 18-3490-021-01

WATERSHED AREA	:	4.13	sq.km	SHORELINE	:	6.4	km.
SURFACE AREA	:	74.9	ha.	COTTAGES	:	39	
MAX DEPTH	:	42.7	m.	RESORTS	:	0	
VOLUME	:	12.58	mill cu. m.	% CROWN LAND	:	70	

CENTER

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A		
(MM/DD/YY) (METERS) (UG/L)		
05/22/88	7.9	1.7
05/29/88	7.2	2.4
06/05/88	6.1	1.3
06/12/88	7.5	1.1
06/19/88	7.7	0.8
06/27/88	9.6	3.3
07/03/88	9.6	2.2
07/10/88	9.6	1.3
07/17/88	9.6	1.1
07/24/88	10.5	2.9
08/01/88	9.0	0.6
08/07/88	9.3	1.9
MEAN	8.6	1.7
MAX	10.5	3.3
MIN	6.1	0.6
N	12	12
SD	1.31	0.84

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A		
(YEAR) (METERS) (UG/L)		
1976	8.5	2.4
1977 **	9.1	1.2
1978	8.0	1.2
1979	7.9	2.5
1980	8.9	1.7
1981	9.8	2.2
1982	7.9	1.2
1988	8.6	1.7
MEAN	8.6	1.8
MAX	9.8	2.5
MIN	7.9	1.2
N	8	8
SD	0.67	0.55

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : GREEN
 TWP : RADCLIFFE
 COUNTY : RENFREW

ID NUMBER : 18-3490-048-01

WATERSHED AREA	: 15.61	sq.km	SHORELINE	: 2.9	km.
SURFACE AREA	: 29.1	ha.	COTTAGES	: 3	
MAX DEPTH	: 22.5	m.	RESORTS	: 0	
VOLUME	: 2.12	mill cu. m.	% CROWN LAND	: 0	

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/14/88	4.9	1.5
05/29/88	5.2	1.8
06/14/88	4.9	0.5
06/21/88	5.5	0.6
07/04/88	4.6	0.5
07/12/88	4.6	0.8
07/18/88	4.6	0.7
07/25/88	5.5	1.4
08/02/88	5.8	0.9
08/08/88	5.8	1.7
08/15/88	5.5	1.8
08/23/88	5.8	0.6
08/29/88	5.8	1.3
09/07/88	5.8	1.7
09/13/88	5.2	1.1
09/25/88	6.1	1.6
MEAN	5.4	1.2
MAX	6.1	1.8
MIN	4.6	0.5
N	16	16
SD	0.50	0.49

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1986 **	5.6	2.1
1987	6.0	2.1
1988	5.4	1.2
MEAN	5.7	1.8
MAX	6.0	2.1
MIN	5.4	1.2
N	3	3
SD	0.31	0.50

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : GRINDSTONE
 TWP : MILLER, CLARENDON
 COUNTY : FRONTENAC

ID NUMBER : 18-3430-037-01

WATERSHED AREA	:	6.51	sq.km	SHORELINE	:	17.07 km.
SURFACE AREA	:	174.82	ha.	COTTAGES	:	
MAX DEPTH	:	18.29	m.	RESORTS	:	
VOLUME	:		mill cu. m.	% CROWN LAND	:	

SOUTHEAST

HISTORICAL RECORD

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)			(METERS)	(UG/L)
07/04/88	6.2		0.6	
07/11/88	5.9		1.3	
07/18/88	5.5		0.3	
07/25/88	5.6		3.0	
08/01/88	5.6		2.6	
08/08/88	5.2		3.9	
08/15/88	4.4		1.9	
08/22/88	4.6		1.8	
08/27/88	4.7		1.7	
09/05/88	4.1		1.4	
09/19/88	3.7		1.3	
09/26/88	4.0		1.6	
MEAN	5.0		1.8	
MAX	6.2		3.9	
MIN	3.7		0.3	
N	12		12	
SD	0.82		1.00	

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(YEAR)			(METERS)	(UG/L)
1976 **			5.2	2.7
1980 **			4.6	2.4
1987			4.4	1.8
1988			5.0	1.8
MEAN			4.8	2.2
MAX			5.2	2.7
MIN			4.4	1.8
N			4	4
SD			0.37	0.45

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : GUNTER
 TWP : CASHEL
 COUNTY : HASTINGS

ID NUMBER : 17-0021-007-01

WATERSHED AREA	: 20.60	sq.km	SHORELINE	: 5.50	km.
SURFACE AREA	: 69.0	ha.	COTTAGES	: 46	+9 HOUSES
MAX DEPTH	: 18.30	m.	RESORTS	: 2	
VOLUME	: 12.63	mill cu. m.	% CROWN LAND	: 18	

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
07/03/88	3.7	0.7
07/17/88	5.2	0.8
07/24/88	4.6	1.1
08/01/88	5.2	0.7
08/17/88	4.0	0.4
08/28/88	4.3	0.6
09/11/88	4.3	1.2
MEAN	4.5	0.8
MAX	5.2	1.2
MIN	3.7	0.4
N	7	7
SD	0.57	0.28

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1977 **	5.2	3.0
1980	3.6	3.0
1981	4.3	3.8
1982	3.9	2.5
1983	3.5	1.5
1984	3.6	2.7
1987 *	4.1	1.7
1988	4.5	0.8
MEAN	4.1	2.4
MAX	5.2	3.8
MIN	3.5	0.8
N	8	8
SD	0.57	0.97

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : HAY BAY - BAY OF QUINTE
 TWP : NORTH & SOUTH FREDERICKSBURG
 COUNTY : LENNOX & ADDINGTON

ID NUMBER : 17-0037-001-01

WATERSHED AREA :	sq. km	SHORELINE :	km.
SURFACE AREA :	ha.	COTTAGES :	
MAX DEPTH :	m.	RESORTS :	6 (211)
VOLUME :	mill cu. m.	% CROWN LAND :	0

SOUTH SHORE

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
07/04/88	2.0	10.9
07/12/88	1.7	7.5
07/20/88	2.0	13.0
07/27/88	2.6	11.0
08/02/88	1.5	17.0
08/08/88	1.2	31.0
08/18/88	0.9	27.0
08/22/88	0.9	35.0
09/22/88	1.1	25.0
09/26/88	1.1	25.0
MEAN	1.5	20.2
MAX	2.6	35.0
MIN	0.9	7.5
N	10	10
SD	0.57	9.56

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1976 *	0.8	24.0
1977	1.1	24.9
1978	1.5	18.3
1979	1.2	24.9
1980	1.0	29.8
1981	1.4	21.3
1982	1.6	17.0
1983	2.0	16.8
1984 *	1.2	28.3
1985 *	1.3	24.2
1986	1.3	25.0
1987	1.6	20.7
1988	1.5	20.2
MEAN	1.3	22.7
MAX	2.0	29.8
MIN	0.8	16.8
N	13	13
SD	0.31	4.08

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : HURDS
 TWP : BAGOT
 COUNTY : RENFREW

ID NUMBER : 18-3690-005-01

WATERSHED AREA	: 27.7	sq.km	SHORELINE	: 20.4 km.
SURFACE AREA	: 144	ha.	COTTAGES	: 111
MAX DEPTH	: 40.2	m.	RESORTS	: 2 (7)
VOLUME	: 12.25	mill cu. m.	% CROWN LAND	:

EAST END

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
06/05/88	3.4	
06/12/88	2.9	1.2
06/21/88	4.3	1.6
07/03/88	3.3	1.8
07/12/88	4.8	2.2
07/19/88	4.6	2.2
07/25/88	4.4	2.7
08/01/88	3.6	1.7
08/07/88	4.1	4.3
08/21/88	3.6	2.8
08/28/88	4.1	2.4
MEAN	3.9	2.3
MAX	4.8	4.3
MIN	2.9	1.2
N	11	10
SD	0.60	0.87

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975	4.8	2.5
1977	4.7	3.2
1978 **	4.5	4.1
1979	4.4	4.3
1988	3.9	2.3
MEAN	4.5	3.3
MAX	4.8	4.3
MIN	3.9	2.3
N	5	5
SD	0.35	0.91

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : HUTSON
 TWP : GRIFFITH, MATAWATCHAN
 COUNTY : RENFREW

ID NUMBER : 18-3490-050-01

WATERSHED AREA :	sq. km	SHORELINE :	km.
SURFACE AREA :	ha.	COTTAGES :	
MAX DEPTH :	m.	RESORTS :	
VOLUME :	mill cu. m.	% CROWN LAND :	

CENTER OF LAKE

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
07/03/98		5.1	1.0
07/03/98		5.1	1.5
MEAN		5.2	1.3
MAX		5.2	1.5
MIN		5.1	1.0
N		2	2
SD		0.10	0.36

LAKE : INDIAN
 TWP : SOUTH CROSBY
 COUNTY : LEEDS

ID NUMBER : 12-0004-013-01

WATERSHED AREA	359.00	sq.km	SHORELINE	16.58 km.
SURFACE AREA	266.0	ha.	COTTAGES	106
MAX DEPTH	26.00	m.	RESORTS	2 (11)
VOLUME	26.79	mill cu. m.	% CROWN LAND	0

MID - LAKE

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/07/88	4.3	1.4
05/15/88	3.2	2.6
05/22/88	3.4	1.6
05/28/88	3.7	1.0
06/06/88	3.7	2.5
06/11/88	3.4	1.7
06/14/88	4.0	1.8
06/20/88	3.7	1.3
06/27/88	4.6	2.4
07/04/88	4.3	1.4
07/11/88	3.4	1.2
07/17/88	3.7	2.3
07/24/88	3.7	2.0
08/01/88	4.0	2.8
08/15/88	4.0	2.4
08/21/88	4.3	2.6
08/27/88	4.6	1.9
09/05/88	3.7	3.2
09/12/88	4.0	2.1
09/16/88	4.9	3.9
09/24/88	4.6	2.2
MEAN	4.0	2.1
MAX	4.9	3.9
MIN	3.2	1.0
N	21	21
SD	0.47	0.71

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971 **	4.2	3.0
1975 **	4.6	5.4
1977	3.5	3.0
1980	3.9	4.5
1982	4.3	3.3
1983 **	4.0	2.2
1984	3.7	3.6
1985	4.3	3.6
1986	3.9	3.7
1987	4.3	3.1
1988	4.0	2.1
MEAN	4.1	3.4
MAX	4.6	5.4
MIN	3.6	2.1
N	11	11
SD	0.30	0.95

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : JEFFREY
 TWP : FARADAY
 COUNTY : HASTINGS

ID NUMBER : 18-3490-047-01

WATERSHED AREA	: 19.20	sq.km	SHORELINE	: 7.57 km.
SURFACE AREA	: 113.0	ha.	COTTAGES	: 89
MAX DEPTH	: 24.4	m.	RESORTS	: 1 (15)
VOLUME	: 10.19	mill cu. m.	% CROWN LAND	: 35

CENTER

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (JG/L)
07/03/88	7.3	0.2
07/17/88	6.4	1.0
08/07/88	6.9	1.0
08/28/88	6.9	1.5
MEAN	6.9	0.9
MAX	7.3	1.5
MIN	6.4	0.2
N	4	4
SD	0.37	0.54

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (JG/L)
1977 **	7.9	1.2
1985	7.0	1.8
1986 **	6.3	2.0
1987	6.7	1.1
1988 *	6.9	0.9
MEAN	7.0	1.4
MAX	7.9	2.0
MIN	6.3	0.9
N	5	5
SD	0.59	0.47

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : JEFFREY'S (OLMSTEAD)
 TWP : ROSS
 COUNTY : RENFREW

ID NUMBER : 18-4810-001-01

WATERSHED AREA	: 26.80	sq.km	SHORELINE	: 10.60 km.
SURFACE AREA	: 180.0	ha.	COTTAGES	: 98
MAX DEPTH	: 29.30	m.	RESORTS	: 2 (305)
VOLUME	: 11.6	mill cu. m.	% CROWN LAND	: 0

MID - LAKE

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/10/88	6.4	0.8
07/25/88	7.0	1.2
08/07/88	6.1	1.4
08/31/88	6.1	0.8
09/17/88	6.7	0.7
10/16/88	6.4	1.5
MEAN	6.5	1.1
MAX	7.0	1.5
MIN	6.1	0.7
N	6	6
SD	0.35	0.35

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1977	6.3	2.1
1978 **	6.0	2.2
1979	6.3	1.8
1980	5.4	3.9
1981	5.7	3.0
1982	6.2	1.8
1983	6.7	1.7
1984	5.4	4.1
1985 *	5.4	5.6
1986	5.3	1.9
1987	6.0	1.8
1988	6.5	1.1
MEAN	5.9	2.6
MAX	6.7	5.8
MIN	5.3	1.1
N	12	12
SD	0.48	1.36

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

LAKE : JOEPERRY
 TWP : EFFINGHAM
 COUNTY : LENNOX & ADDINGTON

ID NUMBER : 17-0026-001-01

WATERSHED AREA	: 15.40	sq.km	SHORELINE	: 9.00 km.
SURFACE AREA	: 169.0	ha.	COTTAGES	: 0
MAX DEPTH	: 23.00	m.	RESORTS	: 0
VOLUME	: 12.35	mill cu. m.	% CROWN LAND	: 100

BON ECHO PROVINCIAL PARK

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/16/82	3.0	2.4
06/23/82	2.6	1.6
07/07/82	3.0	1.9
07/14/82	2.7	1.2
07/21/82		1.2
07/28/82	3.7	3.1
08/05/82	2.7	0.8
08/11/82	2.7	1.5
08/18/82	3.0	2.6
08/24/82	3.1	1.0
09/01/82	3.7	1.2
MEAN	3.0	1.7
MAX	3.7	3.1
MIN	2.6	0.8
N	10	11
SD	0.40	0.73

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1976 **	4.4	2.4
1977	4.2	3.8
1978 *	3.8	3.9
1979 *	3.6	3.2
1980 *	3.1	3.2
1981 *	5.6	2.5
1982	3.8	3.0
1983 **	4.0	3.3
1984 **	3.0	1.8
1985 **	3.0	3.0
1986	2.7	2.8
1987	3.0	1.9
1988	3.0	1.7
MEAN	3.6	2.8
MAX	5.6	3.9
MIN	2.7	1.7
N	13	13
SD	0.80	0.71

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : KASHWAKAMAK
 TWP : CLARENDON, BARRIE, MILLER
 COUNTY : FRONTENAC

ID NUMBER : 18-3430-010-01

WATERSHED AREA	: 409.8	sq.km	SHORELINE	: 66	km.
SURFACE AREA	: 119.1	ha.	COTTAGES	: 445	
MAX DEPTH	: 21.9	m.	RESORTS	: 12	
VOLUME	: 96.71	mill cu. m.	% CROWN LAND	:	

NORTH END

HISTORICAL RECORD

SAMPLE DATE SECCHI DEPTH CHLOROPHYLL A			
(MM/DD/YY)		(METERS)	(UG/L)
08/02/88		2.9	1.1
08/02/88		2.6	1.0
08/02/88		2.4	0.8
08/02/88		3.0	0.9

MEAN	2.7	1.0
MAX	3.0	1.1
MIN	2.4	0.8
N	4	4
SD	0.28	0.14

SAMPLE DATE SECCHI DEPTH CHLOROPHYLL A			
(YEAR)		(METERS)	(UG/L)
1974 **		6.4	1.5
1976 **		5.4	2.4
1980 **		3.1	3.2
1986 **		5.3	2.0
1987 *		3.0	1.8
1988 *		2.7	1.0

MEAN	4.3	2.0
MAX	6.4	3.2
MIN	2.7	1.0
N	6	6
SD	1.57	0.76

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : KENNEBEC
 TWP : KENNEBEC, OLDEN
 COUNTY : FRONTENAC

WATERSHED AREA : 286.3 sq.km
 SURFACE AREA : 5.47 ha.
 MAX DEPTH : 30.5 m.
 VOLUME : 43.60 mill cu. m.

SHORELINE : 30.6 km.
 COTTAGES : 99
 RESORTS : 3(29)
 % CROWN LAND : 10

EAST BASIN

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	1.7	2.3
06/12/88	1.8	1.6
07/03/88	2.1	3.3
07/11/88	2.1	3.3
07/23/88	2.1	5.0
08/07/88	3.4	2.2
08/21/88	4.3	1.7
09/01/88	3.5	3.4
09/04/88	3.4	2.1
09/24/88	4.3	4.9
10/09/88	3.0	5.2
MEAN	2.9	3.2
MAX	4.3	5.2
MIN	1.7	1.6
N	11	11
SD	0.97	1.34

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 **	3.6	5.1
1977	3.7	2.9
1978	3.5	3.2
1979	3.2	3.4
1980	2.6	9.6
1981	3.3	2.9
1984 **	2.6	4.8
1987	2.9	3.1
1988	2.9	3.2
MEAN	3.1	4.2
MAX	3.7	9.6
MIN	2.6	2.9
N	9	9
SD	0.42	2.17

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

WEST BASIN - MOUTH OF SALMON RIVER

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
08/12/88	3.4	1.8
08/26/88	3.0	2.7
09/09/88	2.7	2.8
09/16/88	3.4	3.3
09/26/88	3.2	3.9
MEAN	3.1	2.9
MAX	3.4	3.9
MIN	2.7	1.8
N	5	5
SD	0.30	0.78

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 **	3.2	4.1
1977	3.7	2.9
1978	3.5	3.4
1979	3.2	3.6
1980	2.4	7.6
1981	3.1	3.6
1984 **	2.9	5.2
1987	2.9	3.3
1988 *	3.1	2.9
MEAN	3.1	4.1
MAX	3.7	7.6
MIN	2.4	2.9
N	9	9
SD	0.37	1.50

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : KILLENEBECK
 TWP : REAR OF LEEDS & LANSDOWNE
 COUNTY : LEEDS

ID NUMBER : 12-0017-011-01

WATERSHED AREA : 10.90	sq.km	SHORELINE : 4.70 km.
SURFACE AREA : 44.0	ha.	COTTAGES : 14
MAX DEPTH : 27.70	m.	RESORTS :
VOLUME : 4.3	mill cu. m.	% CROWN LAND : 0

SOUTHWEST END

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/31/88	3.0	3.6
06/09/88	4.0	3.5
06/17/88	3.0	1.6
06/23/88	4.0	3.1
06/29/88	3.6	2.0
07/06/88	3.0	3.0
07/13/88	3.4	3.5
07/20/88	2.4	1.6
07/27/88	2.3	4.6
08/03/88	2.1	1.5
08/10/88	2.4	12.0
08/18/88	2.6	12.0
08/24/88	2.1	7.5
08/31/88	2.6	11.0
09/07/88	3.0	8.6
09/21/88	2.7	6.8
09/27/88		5.8
10/06/88	3.0	5.3
10/12/88	2.7	6.6
MEAN	2.9	5.5
MAX	4.0	12.0
MIN	2.1	1.5
N	18	19
SD	0.57	3.45

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1978 *	3.1	6.5
1984	2.6	6.0
1985	3.1	6.1
1986	2.0	13.9
1987	2.6	7.7
1988	2.9	5.5
MEAN	2.7	7.6
MAX	3.1	13.9
MIN	2.0	5.5
N	6	6
SD	0.42	3.17

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : LIMERICK
 TWP : LIMERICK
 COUNTY : HASTINGS

ID NUMBER : 17-0021-010-01

WATERSHED AREA	181.41	sq.km	SHORELINE	27.00 km.
SURFACE AREA	744.0	ha.	COTTAGES	130 + 3 HOUSES
MAX DEPTH	29.00	m.	RESORTS	1 (14)
VOLUME	62.87	mill cu. m.	% CROWN LAND	1

OFF WALTER COTTAGE

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/12/88	5.2	0.9
07/04/88	5.5	1.4
07/18/88	4.3	1.8
08/01/88	4.3	1.0
08/08/88	4.6	1.8
08/17/88	4.6	
09/02/88	4.3	2.1
09/08/88	4.3	1.6
MEAN	4.6	1.5
MAX	5.5	2.1
MIN	4.3	0.9
N	8	7
SD	0.47	0.44

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1975	5.0	1.7
1976	4.9	1.7
1977 **	5.0	1.8
1978	4.9	2.0
1979	4.5	2.1
1980	4.7	2.2
1981 *	4.4	2.0
1982	4.4	1.8
1983	4.4	1.4
1984	4.5	2.7
1985 **	4.7	2.3
1986	4.5	1.9
1987	4.6	1.8
1988	4.6	1.5
MEAN	4.6	1.9
MAX	5.0	2.7
MIN	4.4	1.4
N	14	14
SD	0.23	0.34

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : LITTLE FRANKLIN
 TWP : LOUGHBOROUGH
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-034-01

WATERSHED AREA :	sq. km	SHORELINE :	km.
SURFACE AREA :	ha.	COTTAGES :	
MAX DEPTH :	m.	RESORTS :	
VOLUME :	mill cu. m.	% CROWN LAND :	

NORTH

SOUTH

NORTH			SOUTH		
SAMPLE DATE	SEOCCHI DEPTH	CHLOROPHYLL A	SAMPLE DATE	SEOCCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)	(MM/DD/YY)	(METERS)	(UG/L)
08/11/88	3.9	7.2	08/11/88	3.6	3.5
08/16/88	3.7	3.0	08/18/88	4.0	3.3
08/26/88	3.3	2.9	08/26/88	3.5	3.5
09/05/88	3.3	3.0	09/05/88	3.7	5.8
09/12/88	3.5	2.8	09/12/88	3.2	2.5
10/10/88	3.7	4.5	10/10/88	3.8	4.0
10/16/88	3.6	4.8	10/16/88	3.3	4.1
MEAN	3.6	4.0	MEAN	3.6	3.8
MAX	3.9	7.2	MAX	4.0	5.8
MIN	3.3	2.8	MIN	3.2	2.5
N	7	7	N	7	7
SD	0.20	1.62	SD	0.28	1.00

LAKE : LITTLE SILVER
 TWP : SOUTH SHERBROOKE
 COUNTY : LANARK

ID NUMBER : 18-0033-021-01

WATERSHED AREA : 8.10	sq. km	SHORELINE : 10.10 km.
SURFACE AREA : 83.0	ha.	COTTAGES : 31
MAX DEPTH : 12.20	m.	RESORTS : 0
VOLUME : 3.82	mill cu. m.	% CROWN LAND : 0

BASIN B

TURTLE ROCK BAY

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/29/88	5.0	2.1
06/13/88	3.7	1.4
06/19/88	4.3	1.1
06/26/88	4.1	2.7
07/03/88	3.0	1.7
07/25/88	5.2	0.7
08/01/88	4.7	1.0
08/13/88	4.6	1.3
09/21/88	3.7	11.0
10/08/88	3.4	4.9
MEAN	4.2	2.8
MAX	5.2	11.0
MIN	3.0	0.7
N	10	10
SD	0.72	3.13

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/29/88	5.2	1.5
06/12/88	4.0	0.7
06/19/88	4.4	1.1
06/26/88	3.8	2.4
07/03/88	3.7	1.5
07/25/88	5.3	1.2
08/01/88	4.7	0.6
08/13/88	4.6	0.8
09/21/88	4.3	9.7
10/08/88	3.5	3.4
MEAN	4.4	2.3
MAX	5.3	9.7
MIN	3.5	0.6
N	10	10
SD	0.62	2.74

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 *	3.7	2.5
1977 **	4.0	6.6
1978	5.3	3.9
1979 **	3.6	6.9
1982	4.4	3.2
1983	4.3	2.1
1984	3.9	4.1
1985	3.9	4.2
1986	3.6	3.6
1987	3.6	3.2
1988	4.3	2.6
MEAN	4.1	3.9
MAX	5.3	6.9
MIN	3.6	2.1
N	11	11
SD	0.51	1.56

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : LOUGHBOROUGH : EAST BASIN
 TWP : STORRINGTON, LOUGHBOROUGH
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-014-01

WATERSHED AREA : 120.00 sq.km
 SURFACE AREA : 1065.0 ha.
 MAX DEPTH : 6.10 m.
 VOLUME : 22.08 mill cu. m.

SHORELINE : 72.40 km.
 COTTAGES : 240 + 10 HOUSE
 RESORTS : 2 (74)
 % CROWN LAND : 0

EAST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/15/88	3.4	2.0
06/27/88	3.5	2.2
07/09/88	3.5	2.7
07/22/88	3.1	3.6
08/04/88	2.4	2.9
08/16/88	2.0	8.3
08/30/88	2.4	6.3
09/14/88	2.4	2.9
09/25/88	3.0	3.3
MEAN	2.9	3.8
MAX	3.5	8.3
MIN	2.0	2.0
N	9	9
SD	0.57	2.10

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1973	3.3	5.0
1974	2.7	3.9
1975 **	2.4	6.9
1976	3.4	3.2
1977	2.8	5.6
1978	3.0	5.4
1979	3.3	5.4
1980	3.2	7.6
1981	2.9	7.4
1982	2.8	4.7
1983	3.6	3.3
1984	2.9	5.2
1985	2.6	6.4
1986	3.3	5.9
1987	3.0	6.0
1988	2.9	3.8
MEAN	3.0	5.4
MAX	3.6	7.6
MIN	2.4	3.2
N	16	16
SD	0.32	1.35

NOTE : * Based on less then 6 readings.
 ** Recreational lakes included.

LAKE : LOUGHBOROUGH : WEST BASIN
 TWP : STORRINGTON, LOUGHBOROUGH
 COUNTY : FRONTENAC

ID NUMBER : 12-0004-015-01

WATERSHED AREA : 58.00 sq.km
 SURFACE AREA : 738.0 ha.
 MAX DEPTH : 38.40 m.
 VOLUME : 107.13 mill cu. m.

SHORELINE : 28.70 km.
 COTTAGES : 138 + 13 HOUSE
 RESORTS : 3 (187)
 % CROWN LAND : 0

WEST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
07/06/88	5.3	1.6
08/16/88	4.5	1.9
09/16/88	5.7	3.4
09/29/88	6.2	
10/12/88	5.8	4.1
11/03/88	5.5	
MEAN	5.5	2.8
MAX	6.2	4.1
MIN	4.5	1.6
N	6	4
SD	0.58	1.20

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1973 *	4.0	1.8
1974 *	3.8	3.0
1975 **	4.2	3.0
1976	4.5	3.8
1977	3.4	3.3
1978	3.9	2.7
1979	4.0	3.0
1980	4.8	3.8
1981 **	6.4	3.8
1982	6.0	2.1
1983	5.5	2.4
1984 *	5.2	4.2
1985 *	6.2	2.8
1986	6.1	2.4
1988 *	5.5	2.8
MEAN	4.9	3.0
MAX	6.4	4.2
MIN	3.4	1.8
N	15	15
SD	1.00	0.69

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : LOWER BEVERLEY
 TWP : SOUTH CROSBY, BASTARD
 COUNTY : LEEDS

ID NUMBER : 12-0017-012-01

WATERSHED AREA : 281.80 sq.km
 SURFACE AREA : 766.0 ha.
 MAX DEPTH : 25.90 m.
 VOLUME : 70.2 mill cu. m.

SHORELINE : 44.00 km.
 COTTAGES : 247 + 13 HOMES
 RESORTS : 4 (272)
 % CROWN LAND : 0

MAIN BGIN - OFF WHISKEY ISLAND

MAIN BASIN-WEST OF ENGLISH ISLAND

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
06/17/88	2.4	1.8
06/27/88	2.7	5.0
07/04/88	2.3	5.9
07/13/88	2.7	3.8
07/20/88	2.4	5.3
07/28/88	2.7	5.6
08/02/88	2.7	3.5
08/08/88	2.4	5.6
08/11/88	2.3	2.2
08/30/88	2.7	5.1
09/06/88	3.0	3.2
09/12/88	2.7	3.8
09/19/88	3.4	3.6

MEAN : 2.8
 MAX : 3.7
 MIN : 2.2
 N : 13
 SD : 0.50

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
08/07/88	2.4	5.6
08/14/88	2.2	5.2
08/21/88	2.3	2.3
08/28/88	2.5	4.3
09/05/88	2.7	3.1

GA BAY

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	2.1	1.0
05/29/88	2.1	1.6
06/19/88	2.0	2.5
06/26/88	2.0	5.8
07/13/88	2.0	2.2
07/24/88	1.8	12.0
08/01/88	1.6	4.6
08/07/88	1.5	6.8
09/05/88	1.5	17.0

MEAN : 1.5
 MAX : 2.1
 MIN : 1.5
 N : 9
 SD : 0.24

LAKE : LOWER BEVERLEY
 TWP : SOUTH CROSBY, BASTARD
 COUNTY : LEEDS

ID NUMBER : 12-0017-012-01

WATERSHED AREA	281.80	sq.km	SHORELINE	44.00 km.
SURFACE AREA	756.0	ha.	COTTAGES	247 + 13 HOMES
MAX DEPTH	25.90	m.	RESORTS	4 (272)
VOLUME	70.2	mill cu. m.	% CROWN LAND	0

HISTORICAL RECORD-MAP BASIN

HISTORICAL RECORD - OAK BAY

SAMPLE DATE	SEDOPT DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)

1971 **	0.2	5.0
1975 **	3.5	5.2
1977	2.4	7.6
1978	2.4	5.4
1980 **	2.4	3.5
1982 **	3.5	4.5
1984 **	2.5	9.5
1987	2.7	5.1
1988	2.7	4.2

MEAN	2.7	6.1
MAX	3.5	9.5
MIN	2.2	3.9
N	6	9
SD	0.44	2.04

SAMPLE DATE	SEDOPT DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)

1971 **	0.7	11.0
1981	2.5	5.5
1984	1.2	8.5
1985	1.7	13.5
1986	1.7	14.5
1987	1.8	7.1
1988	1.9	8.1

MEAN : 1.9
 MAX : 11.0
 MIN : 1.7
 N : 7
 SD : 0.29

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : MAZINAW

ID NUMBER : 18-3430-011-01

TWP : ABINGER, BARRIE

COUNTY : FRONTENAC, LENNOX & ADDINGTON

WATERSHED AREA : 137.85 sq.km
 SURFACE AREA : 1590.0 ha.
 MAX DEPTH : 144.80 m.
 VOLUME : 655.00 mill cu. m.

SHORELINE : 49.10 km.
 COTTAGES : 254 (1972)
 RESORTS : 2(47), 5(765)
 % CROWN LAND : 50

BON ECHO PROVINCIAL PARK

NORTHEAST END-SOUTH OF HUNGRY BAY

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)
06/16/88	3.0	0.5
06/23/88	3.4	1.8
07/07/88	3.0	0.3
07/14/88	3.0	1.1
07/21/88	3.4	0.3
07/28/88	3.0	0.4
08/05/88	2.7	0.3
08/11/88	2.7	1.4
08/18/88	3.0	2.2
08/24/88	2.7	1.4
09/01/88	3.0	1.2
MEAN	3.0	1.0
MAX	3.4	2.2
MIN	2.7	0.3
N	11	11
SD	0.24	0.67

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)
07/13/88	6.7	0.6
07/18/88	5.2	0.5
07/27/88	5.5	0.8
08/09/88	5.2	0.8
08/15/88	4.6	1.3
08/23/88	4.0	1.0
MEAN	5.2	0.8
MAX	6.7	1.3
MIN	4.0	0.5
N	6	6
SD	0.91	0.29

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR)	(METERS)	(UG/L)
1971 **	5.2	1.5
1975	5.6	1.5
1976	5.6	1.8
1977	5.7	1.8
1978	5.6	1.5
1979	5.2	2.1
1980	4.9	2.1
1981	4.7	1.8
1982	3.5	1.8
1983 *	3.6	1.5
1984	4.0	2.2
1985	3.6	1.7
1986	3.7	1.7
1987	3.6	1.3
1988	3.8	0.9
MEAN	4.6	1.7
MAX	5.7	2.2
MIN	3.5	0.9
N	15	15
SD	0.89	0.33

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : MINK
 TWP : WILBERFORCE
 COUNTY : RENFREW

ID NUMBER : 1B-3E30-006-01

WATERSHED AREA :	40.20	sq. km	SHORELINE :	km.
SURFACE AREA :	555.0	ha.	COTTAGES :	119
MAX DEPTH :	13.70	m.	RESORTS :	2 (102)
VOLUME :	72.3	mill cu. m.	% CROWN LAND :	0

CENTER OF EAST END

CENTER OF WEST END

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
07/20/86		3.8	2.0
08/23/86		3.7	1.0
10/10/86		4.3	0.6
MEAN		3.9	1.0
MAX		4.3	2.0
MIN		3.7	0.6
N		3	3
SD		0.31	0.81

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)		(METERS)	(UG/L)
07/23/86		3.8	2.0
08/23/86		3.7	0.7
10/10/86		4.3	0.6
MEAN		3.9	1.0
MAX		4.3	2.0
MIN		3.7	0.7
N		3	3
SD		0.32	0.81

HISTORICAL RECORD

SAMPLE DATE		SECCHI DEPTH	CHLOROPHYLL A
(YEAR)		(METERS)	(UG/L)
1973 *		3.4	1.8
1975		3.8	0.7
1976		3.8	1.1
1977		3.5	1.0
1978 **		4.1	0.7
1979		4.2	0.7
1980		4.1	0.7
1981		3.0	3.8
1982 *		3.7	0.7
1984 **		3.2	4.7
1985 **		3.6	1.0
1986 *		3.5	1.5
1987		3.2	1.5
1988		3.9	1.5
MEAN		3.8	1.5
MAX		4.2	4.7
MIN		3.0	0.7
N		14	14
SD		0.42	1.37

NOTE : * Based on less than 6 readings.

** Reputational dates - included.

LAKE : MOIRA : EAST BASIN
 TWP : HUNTINGTON
 COUNTY : HASTINGS

ID NUMBER : 17-0026-002-01

WATERSHED AREA	596.00	sq.km	SHORELINE	14.70 km.
SURFACE AREA	611.0	ha.	COTTAGES	:
MAX DEPTH	11.00	m.	RESORTS	:
VOLUME	:	mill cu. m.	% CROWN LAND	0

EAST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/30/88	4.0	2.2
06/13/88	3.2	5.4
06/19/88	2.4	5.6
06/27/88	2.0	5.0
07/08/88	2.4	0.4
07/13/88	2.4	10.0
07/22/88	2.1	5.0
07/28/88	2.1	2.1
08/11/88	3.4	4.5
08/29/88	2.9	16.0
09/12/88	2.1	12.0
MEAN	2.6	6.2
MAX	4.0	16.0
MIN	2.0	0.4
N	11	11
SD	0.65	4.66

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1972 **	1.2	37.8
1974	2.1	13.8
1977	2.4	10.8
1978	2.0	12.0
1979 *	2.0	15.3
1981	3.1	7.6
1982	2.0	17.0
1983	1.8	15.2
1984	2.3	15.9
1985	2.0	14.7
1986	1.9	11.0
1987	2.7	12.2
1988	2.6	6.2
MEAN	2.2	14.6
MAX	3.1	37.8
MIN	1.2	6.2
N	13	13
SD	0.47	7.67

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

LAKE : MOIRA : WEST BASIN
 TWP : HUNTINGTON
 COUNTY : HASTINGS

ID NUMBER : 17-0026-003-01

WATERSHED AREA	546.00	sq.km	SHORELINE	9.30 km.
SURFACE AREA	216.0	ha.	COTTAGES	64 (1972)
MAX DEPTH	7.30	m.	RESORTS	:
VOLUME	7.47	mill cu. m.	% CROWN LAND	0

WEST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/15/88	2.1	2.6
06/21/88	2.0	4.5
07/04/88	1.5	5.3
07/13/88	1.8	11.0
07/19/88	1.5	8.2
07/28/88	1.4	15.0
08/02/88	1.2	19.0
08/09/88	1.1	12.0
08/18/88	1.1	31.0
08/24/88	1.2	18.0
08/30/88	1.2	22.0
09/07/88	1.2	26.0
09/14/88	1.2	25.0
MEAN	1.4	15.4
MAX	2.1	31.0
MIN	1.1	2.6
N	13	13
SD	0.34	9.03

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1972 **	1.1	39.0
1973 **	1.6	15.6
1974	1.7	13.8
1979	1.9	9.8
1983	1.8	6.9
1984	2.0	16.5
1986	1.5	9.5
1987	1.8	11.5
1988	1.4	15.4
MEAN	1.6	15.3
MAX	2.0	39.0
MIN	1.1	6.9
N	9	9
SD	0.28	9.45

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : MOSQUE
 TWP : MILLER, CLARENDON
 COUNTY : FRONTENAC

ID NUMBER : 18-3430-017-01

WATERSHED AREA	6.21	sq.km	SHORELINE	13.20 km.
SURFACE AREA	138.0	ha.	COTTAGES	43
MAX DEPTH	34.10	m.	RESORTS	1 (3)
VOLUME	9.7	mill cu. m.	% CROWN LAND	65

NORTH BASIN

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY) : (METERS) : (UG/L) :		
07/02/88	4.9	0.2
07/22/88	5.2	0.8
08/06/88	4.7	0.2
09/02/88	4.6	1.7
09/25/88	4.6	1.7
10/08/88	4.6	2.6
MEAN	4.8	1.2
MAX	5.2	2.6
MIN	4.6	0.2
N	6	6
SD	0.24	0.96

SOUTH BASIN

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY) : (METERS) : (UG/L) :		
07/02/88	4.6	0.4
07/22/88	5.0	0.5
08/06/88	4.6	0.4
09/02/88	4.6	1.0
10/08/88	4.3	2.6
MEAN	4.6	1.0
MAX	5.0	2.6
MIN	4.3	0.4
N	5	5
SD	0.25	0.94

HISTORICAL RECORD-N&S BASINS

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR) : (METERS) : (UG/L) :		
1976 **	6.3	2.7
1977	5.2	2.5
1978	5.5	2.5
1979	5.6	2.1
1980 **	6.0	2.4
1981	5.6	2.4
1982	5.0	2.1
1983	5.4	1.4
1984	5.2	2.7
1985	4.9	1.8
1986 **	4.5	1.9
1987	5.1	1.3
1988	4.7	1.1
MEAN	5.3	2.1
MAX	6.3	2.7
MIN	4.6	1.1
N	13	13
SD	0.49	0.54

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : MOSQUE
 TWP : MILLER, CLARENDON
 COUNTY : FRONTENAC

ID NUMBER : 18-3430-017-01

WATERSHED AREA	6.21	sq.km	SHORELINE	13.20 km.
SURFACE AREA	138.0	ha.	COTTAGES	43
MAX DEPTH	34.10	m.	RESORTS	1 (3)
VOLUME	9.7	mill cu. m.	% CROWN LAND	65

WEST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
07/02/88	4.1	0.5
07/22/88	4.0	1.3
08/06/88	4.0	0.7
09/02/88	4.0	2.0
09/25/88	3.7	2.6
10/08/88	3.7	3.7
MEAN	3.9	1.8
MAX	4.1	3.7
MIN	3.7	0.5
N	6	6
SD	0.17	1.22

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1976 **	4.8	6.9
1977	3.9	4.3
1978	4.5	5.6
1979	4.6	4.8
1980 *	5.1	3.9
1981	4.5	2.5
1982	4.0	2.0
1983	4.2	2.1
1984	4.6	3.0
1985	3.7	3.1
1986	3.8	2.4
1987	4.3	1.3
1988	3.9	1.8
MEAN	4.3	3.4
MAX	5.1	6.9
MIN	3.7	1.3
N	13	13
SD	0.43	1.65

NOTE : * Based on less then 6 readings.
 ** Recreational lakes included.

LAKE : MUSKRAT
 TWP : WESTMEATH, ROSS
 COUNTY : RENFREW

ID NUMBER : 18-4810-002-01

WATERSHED AREA : 481.00 sq.km
 SURFACE AREA : 1202.0 ha.
 MAX DEPTH : 64.00 m.
 VOLUME : 213.2 mill cu. m.

SHORELINE : 34.00 km.
 COTTAGES : 132 + 21 HOUSE
 RESORTS : 5 (357)
 % CROWN LAND : 0

MID - LAKE

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/07/88	2.9	
07/13/88	3.5	2.4
07/27/88	3.4	3.2
08/02/88	3.5	7.9
08/10/88	3.0	14.0
06/18/88	2.7	
08/23/88	2.9	4.8
08/31/88	2.7	20.0
MEAN	3.1	8.7
MAX	3.5	20.0
MIN	2.7	2.4
N	8	6
SD	0.34	6.95

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1977	1.7	15.5
1978 **	2.8	12.0
1979	2.4	10.7
1981	1.6	29.4
1982 **	2.3	14.9
1983	2.3	14.0
1984	3.1	12.0
1985	4.4	3.5
1986 **	3.5	9.8
1987	2.7	9.3
1988	3.1	8.7
MEAN	2.7	12.7
MAX	4.4	29.4
MIN	1.6	3.5
N	11	11
SD	0.80	6.47

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : NORWAY
 TWP : BAGOT, BLYTHFIELD
 COUNTY : RENFREW

ID NUMBER : 18-3490-028-01

WATERSHED AREA	: 14.40	sq.km	SHORELINE	: 12.90 km.
SURFACE AREA	: 271.0	ha.	COTTAGES	: 124
MAX DEPTH	: 36.60	m.	RESORTS	: 0
VOLUME	: 25.38	mill cu. m.	% CROWN LAND	: 99

SOUTHEAST END

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/14/88	4.9	0.7
07/27/88	5.8	2.7
08/07/88		5.5
08/11/88	5.2	1.2
08/22/88	4.9	3.2
09/02/88	5.2	3.3
09/15/88	5.3	
10/20/88	5.2	2.2
10/27/88	5.0	1.7
11/17/88	4.3	2.0
MEAN	5.1	2.5
MAX	5.8	5.5
MIN	4.3	0.7
N	9	9
SD	0.40	1.42

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1978 **	4.8	2.4
1979	4.7	2.5
1981 *	5.1	1.5
1982 *	4.8	1.4
1983	5.1	3.3
1984 *	4.6	5.0
1985 **	5.4	1.6
1986 *	5.1	2.7
1987	5.4	1.5
1988	5.1	2.5
MEAN	5.0	2.4
MAX	5.4	5.0
MIN	4.6	1.4
N	10	10
SD	0.26	1.10

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : OPINICON

ID NUMBER : 12-0004-016-01

TWP : BEDFORD, SOUTH CROSBY, STORRINGTON
COUNTY : FRONTENAC, LEEDS

WATERSHED AREA	580.00	sq.km	SHORELINE	52.00 km.
SURFACE AREA	785.0	ha.	COTTAGES	120 (1971)
MAX DEPTH	9.15	m.	RESORTS	6 (104)
VOLUME	38.61	mill cu. m.	% CROWN LAND	0

BETWEEN SNAKE & HUCKLEBERRY ISLANDS

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/29/88	4.9	1.3
06/12/88	3.7	1.8
06/19/88	3.7	1.8
06/27/88	4.0	3.5
07/03/88	3.0	2.1
07/10/88	4.4	0.7
07/18/88	5.2	1.3
07/25/88	4.6	2.3
08/01/88	3.7	2.7
08/07/88	4.1	3.8
08/14/88	2.9	3.7
08/21/88	2.3	4.3
08/31/88	2.9	7.6
09/06/88	2.0	7.7
09/11/88	2.7	4.7
09/18/88	3.5	3.9
09/24/88	3.5	3.9
MEAN	3.6	3.4
MAX	5.2	7.7
MIN	2.0	0.7
N	17	17
SD	0.89	2.00

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1971 **	2.9	4.1
1975 **	3.0	4.7
1977	2.8	3.9
1978	3.0	5.4
1979	3.3	5.6
1980	3.2	5.8
1981	3.2	4.7
1982	3.1	4.1
1983	3.2	3.3
1984 **	3.1	3.9
1985	3.1	3.8
1986 **	3.1	5.5
1987	3.3	3.7
1988	3.6	3.4
MEAN	3.1	4.4
MAX	3.6	5.8
MIN	2.8	3.3
N	14	14
SD	0.20	0.86

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : OTTER

ID NUMBER : 18-0033-024-01

TWP : BASTARD, SOUTH ELMSLEY, SOUTH BURGESS, KITLEY

COUNTY : LEEDS

WATERSHED AREA : 46.55

sq.km

SURFACE AREA : 602.0

ha.

MAX DEPTH : 36.60

m.

VOLUME : 60.46

mill cu. m.

SHORELINE : 20.1 km.

COTTAGES : 291 + 5 HOUSES

RESORTS : 6 (214)

% CROWN LAND : 1

STATION 2

STATION 1 - FRAYN ROAD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
: (MM/DD/YY) : (METERS) : (UG/L) :		
05/29/88	2.9	2.0
05/05/88	3.0	2.3
06/12/88	2.7	2.7
07/03/88	4.3	0.8
07/31/88	2.9	2.0
08/07/88	2.9	1.6
08/16/88	3.0	2.1
08/27/88	2.7	2.4
09/03/88	3.0	1.5
09/10/88	2.9	1.1
MEAN	3.0	1.9
MAX	4.3	2.7
MIN	2.7	0.8
N	10	10
SD	0.46	0.60

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
: (MM/DD/YY) : (METERS) : (UG/L) :		
05/13/88	2.9	1.5
06/24/88	4.9	0.9
07/03/88	5.0	1.0
07/07/88	4.4	1.2
07/13/88	3.5	2.0
07/19/88	2.9	2.3
07/26/88	2.7	2.9
08/03/88	3.5	1.7
08/17/88	3.5	2.4
MEAN	3.7	1.8
MAX	5.0	2.9
MIN	2.7	0.9
N	9	9
SD	0.87	0.69

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLDROPHYLL A :		
: (YEAR) : (METERS) : (UG/L) :		
1975 **	3.4	2.4
1976	3.1	3.8
1977	3.0	3.2
1978	3.3	3.0
1979	3.1	3.4
1980	2.7	3.4
1981 **	3.1	3.2
1982 **	3.1	2.2
1983	3.2	2.1
1984	3.0	3.2
1985	3.0	2.3
1986	2.9	3.4
1987	2.7	2.7
1988	3.4	1.6
MEAN	3.1	2.9
MAX	3.4	3.8
MIN	2.7	1.6
N	14	14
SD	0.22	0.61

NOTE : * Based on less than 6 readings.

LAKE : OTTY
 TWP : NORTH BURGESS, NORTH ELMSLEY
 COUNTY : LANARK

ID NUMBER : 18-0033-025-01

WATERSHED AREA	47.9	sq.km	SHORELINE	35.4 km.
SURFACE AREA	625	ha.	COTTAGES	336 + 41 HOUSE
MAX DEPTH	27.4	m.	RESORTS	3 (27)
VOLUME	56.41	mill cu. m.	% CROWN LAND	0

SITE A

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/20/88	3.4	1.2
06/27/88	4.0	2.4
07/04/88	5.8	0.7
07/11/88	6.1	2.3
07/18/88	5.8	1.4
07/25/88	5.8	1.2
08/02/88	4.9	1.4
08/08/88	4.3	2.5
08/15/88		2.5
08/22/88	4.0	2.6
08/29/88	5.2	1.9
09/06/88	4.6	1.9
MEAN	4.9	1.8
MAX	6.1	2.6
MIN	3.4	0.7
N	11	12
SD	0.91	0.64

SITE B

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/20/88	3.4	1.7
06/27/88	4.3	2.4
07/04/88	5.0	0.8
07/11/88	5.8	1.3
07/18/88	5.2	2.4
07/25/88	5.5	1.8
08/02/88	4.9	1.5
08/08/88	3.7	3.6
08/15/88		3.5
08/22/88	3.0	1.7
08/29/88	4.9	1.6
09/06/88	4.3	2.4
MEAN	4.5	2.1
MAX	5.8	3.6
MIN	3.0	0.8
N	11	12
SD	0.89	0.84

LAKE : OTTY
 TWP : NORTH BURGESS, NORTH ELMSLEY
 COUNTY : LANARK

ID NUMBER : 18-0033-025-01

WATERSHED AREA : 47.9 sq.km
 SURFACE AREA : 625 ha.
 MAX DEPTH : 27.4 m.
 VOLUME : 56.41 mill cu. m.

SHORELINE : 35.4 km.
 COTTAGES : 336 + 41 HOUSE
 RESORTS : 3 (27)
 % CROWN LAND : 0

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971 **	3.2	3.3
1973 **	4.1	2.9
1974 **	4.1	3.0
1975 **	4.4	3.2
1976	4.5	2.7
1977	4.0	2.5
1978	4.2	3.2
1979	4.4	3.2
1980	4.5	4.1
1981	3.9	3.3
1982	4.7	3.3
1983	4.5	2.0
1984	4.1	4.2
1985	4.7	2.4
1986	4.2	3.4
1987	4.1	2.1
1988	4.7	2.0
MEAN	4.3	3.0
MAX	4.7	4.2
MIN	3.2	2.0
N	17	17
SD	0.38	0.65

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : PAUGH
 TWP : BURNS, SHERWOOD
 COUNTY : RENFREW

ID NUMBER : 18-3690-009-01

WATERSHED AREA : 75.00	sq. km	SHORELINE : 18.00 km.
SURFACE AREA : 713.0	ha.	COTTAGES : 77
MAX DEPTH : 51.80	m.	RESORTS : 1 (7)
VOLUME : 100	mill cu. m.	% CROWN LAND : 80

WEST END

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	6.6	0.6
05/29/88	6.6	0.4
07/17/88	6.5	0.6
08/09/88	6.4	1.0
09/18/88	5.6	1.1

MEAN	6.3	0.7
MAX	6.6	1.1
MIN	5.6	0.4
N	5	5
SD	0.42	0.30

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
(YEAR)	(METERS)	(UG/L)
1977 **	5.4	1.5
1980	5.2	2.2
1981	5.3	2.0
1982	5.2	1.4
1983 **	5.3	1.4
1984 **	4.8	1.7
1985 **	4.7	1.3
1986 *	5.0	1.9
1987	5.6	1.4
1988 *	6.3	0.7

MEAN	5.3	1.6
MAX	6.3	2.2
MIN	4.7	0.7
N	10	10
SD	0.45	0.43

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : PIKE

ID NUMBER : 18-0033-028-01

TWP : NORTH BURGESS, NORTH CROSBY
COUNTY : LANARK, LEEDS

WATERSHED AREA	60.00	sq.km	SHORELINE	22.10 km.
SURFACE AREA	316.0	ha.	COTTAGES	143 (1974)
MAX DEPTH	32.60	m.	RESORTS	2 (38)
VOLUME	26.58	mill cu. m.	% CROWN LAND	0

CENTRE

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/01/88	4.0	3.8
05/22/88	5.3	1.1
06/12/88	6.1	0.4
07/03/88	6.7	0.7
07/19/88	6.1	0.9
08/01/88	6.7	1.0
08/21/88	4.9	2.5
09/05/88	4.9	3.3
09/18/88	4.4	4.1
MEAN	5.5	2.0
MAX	6.7	4.1
MIN	4.0	0.4
N	9	9
SD	0.99	1.45

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1975 **	3.9	5.1
1976	2.4	6.6
1977	3.1	6.0
1978	4.2	4.3
1979	3.7	6.0
1980	3.8	6.5
1981	3.7	5.4
1982	2.5	5.4
1983 **	4.3	2.5
1984 *	3.0	7.6
1985	2.6	5.5
1986	3.2	6.8
1987	3.2	7.4
1988	5.5	2.0
MEAN	3.5	5.5
MAX	5.5	7.6
MIN	2.4	2.0
N	14	14
SD	0.84	1.65

NOTE : * Based on less than 6 readings.
** Recreational lakes included.

LAKE : RED HORSE : EAST BASIN
 TWP : REAR OF LEEDS & LANSDOWNE
 COUNTY : LEEDS

ID NUMBER : 12-0017-020-01

WATERSHED AREA	: 335.00	sq.km	SHORELINE	: 12.90 km.
SURFACE AREA	: 135.0	ha.	COTTAGES	: 24
MAX DEPTH	: 37.00	m.	RESORTS	: 1 (16)
VOLUME	: 15.55	mill cu. m.	% CROWN LAND	: 0

EAST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/14/88	2.7	3.0
05/21/88	2.9	1.8
05/28/88	2.9	1.4
06/18/88	4.9	0.8
06/23/88	4.3	2.9
06/25/88	3.8	1.9
07/06/88	4.3	1.9
07/11/88	4.3	1.4
07/15/88	4.6	1.0
08/04/88	2.7	1.1
08/15/88	4.3	2.6
08/31/88	4.0	4.3
09/10/88	4.0	3.4
09/24/88	4.1	1.9
10/01/88	3.4	1.8
10/08/88	4.9	1.4

MEAN	3.9	2.0
MAX	4.9	4.3
MIN	2.7	0.8
N	16	16
SD	0.75	0.96

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1975 **	3.8	5.6
1981 **	2.8	7.8
1982 **	2.7	4.7
1983 **	3.7	3.9
1984 **	3.0	7.4
1985	3.8	4.0
1986	3.5	4.3
1987	3.6	2.9
1988	3.9	2.0

MEAN : 3.4 : 4.7
 MAX : 3.9 : 7.8
 MIN : 2.7 : 2.0
 N : 9 : 9
 SD : 0.46 : 1.92

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : RED HORSE : WEST BASIN
 TWP : REAR OF LEEDS & LANSDOWNE
 COUNTY : LEEDS

ID NUMBER : 12-0017-013-01

WATERSHED AREA	330.00	sq.km	SHORELINE	13.80 km.
SURFACE AREA	167.0	ha.	COTTAGES	18
MAX DEPTH	37.00	m.	RESORTS	0
VOLUME	15.07	mill cu. m.	% CROWN LAND	0

WEST BASIN

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/18/88	3.5	
07/04/88	3.8	1.1
07/11/88	4.3	2.0
07/24/88	3.2	5.2
08/01/88	2.9	2.0
08/07/88	4.0	3.0
08/21/88	3.7	2.1
08/29/88	4.6	2.8
09/07/88	4.3	4.3
09/18/88	4.0	5.5
09/27/88	3.7	4.4
10/05/88	5.2	2.3
10/14/88	4.3	3.9
MEAN	4.0	3.2
MAX	5.2	5.5
MIN	2.9	1.1
N	13	12
SD	0.60	1.41

HISTORICAL RECORD

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1975 **	3.7	6.0
1979	3.4	6.6
1980	3.4	9.2
1981 **	3.2	7.8
1982 **	3.3	4.3
1983 **	3.8	4.2
1984 **	3.0	7.1
1985	3.2	5.6
1986	3.2	7.9
1987	4.2	4.4
1988	4.0	3.2
MEAN	3.5	6.0
MAX	4.2	9.2
MIN	3.0	3.2
N	11	11
SD	0.38	1.88

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : SAINT ANDREW
 TWP : HINCHINBROOKE
 COUNTY : FRONTENAC

ID NUMBER : 17-0035-006-01

WATERSHED AREA	:	2.80	sq.km	SHORELINE	:	7.60 km.
SURFACE AREA	:	79.0	ha.	COTTAGES	:	20 (1983)
MAX DEPTH	:	15.80	m.	RESORTS	:	0
VOLUME	:	5.05	mill cu. m.	% CROWN LAND	:	0

UPPER LAKE

HISTORICAL RECORD

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
: (MM/DD/YY) : (METERS) : (UG/L) :		
05/28/88	2.9	7.9
06/11/88	2.6	7.9
06/26/88	2.6	4.4
07/02/88	2.6	5.1
07/10/88	3.2	2.8
07/17/88	3.2	4.5
07/23/88	2.7	5.5
08/06/88	2.6	4.4
08/21/88	2.3	5.0
08/29/88	2.3	6.3
09/05/88	2.6	3.3
09/10/88	2.6	2.0
09/18/88	2.9	2.8
MEAN	2.7	4.8
MAX	3.2	7.9
MIN	2.3	2.0
N	13	13
SD	0.28	1.84

SAMPLE DATE : SECCHI DEPTH : CHLOROPHYLL A :		
: (YEAR) : (METERS) : (UG/L) :		
1977	1.8	10.2
1978 *	1.9	8.9
1980	1.8	15.8
1981	1.7	12.3
1982	2.8	3.9
1983 **	3.5	3.4
1984	3.1	5.4
1985	3.3	2.8
1986	2.9	10.4
1987	2.5	5.4
1988	2.7	4.8
MEAN	2.5	7.6
MAX	3.5	15.8
MIN	1.7	2.8
N	11	11
SD	0.65	4.21

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : SAINT PETER, LAKE
 TWP : MCLURE
 COUNTY : HASTINGS

ID NUMBER : 18-3490-031-01

WATERSHED AREA	67.00	sq.km	SHORELINE	13.20 km.
SURFACE AREA	234.0	ha.	COTTAGES	182
MAX DEPTH	28.70	m.	RESORTS	10 (301)
VOLUME	17.78	mill cu. m.	% CROWN LAND	10

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/02/88	4.6	1.7
07/31/88	3.8	1.5
09/03/88	6.1	1.1
09/19/88	5.5	2.4

MEAN	5.0	1.7
MAX	6.1	2.4
MIN	3.8	1.1
N	4	4
SD	1.01	0.54

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 **	6.8	2.7
1977 **	4.8	1.7
1978 **	3.9	2.4
1979 **	3.4	2.7
1980	3.3	3.3
1982 *	3.6	
1983 **	3.9	2.0
1984 **	3.8	1.7
1985 **	4.0	1.6
1986 **	4.0	1.6
1987	4.5	2.3
1988 *	5.0	1.7

MEAN	4.0	2.2
MAX	5.0	3.3
MIN	3.3	1.6
N	12	11
SD	0.52	0.57

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : SALMON TROUT
 TWP : MONTEAGLE
 COUNTY : HASTINGS

ID NUMBER : 18-3490-032-01

WATERSHED AREA : 9.25	sq. km	SHORELINE : 7.90 km.
SURFACE AREA : 100.0	ha.	COTTAGES : 70
MAX DEPTH : 14.00	m.	RESORTS : 0
VOLUME : 3.8	mill cu. m.	% CROWN LAND : 21

CENTER

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/16/88	4.1	1.1
06/06/88	4.7	3.0
06/27/88	3.7	2.6
07/12/88	3.5	1.5
07/19/88	5.5	2.8
08/03/88	5.3	4.0
08/18/88	4.9	7.5
08/29/88	4.3	5.1
09/27/88	2.9	12.0
10/24/88	4.1	7.1
MEAN	4.3	4.7
MAX	5.5	12.0
MIN	2.9	1.1
N	10	10
SD	0.82	3.36

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1974	3.7	2.1
1975 *	3.0	11.9
1976 **	3.4	9.9
1977 **	3.8	6.1
1978	4.2	7.5
1979	3.2	11.1
1980	3.3	17.6
1981	3.5	5.6
1982	3.7	3.6
1983	3.9	4.7
1984	3.6	4.1
1985	3.3	9.8
1986	3.6	5.7
1987	4.2	4.8
1988	4.3	4.7
MEAN	3.6	7.3
MAX	4.3	17.6
MIN	3.0	2.1
N	15	15
SD	0.39	4.07

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : SAND
 TWP : SOUTH CROSBY
 COUNTY : LEEDS

ID NUMBER : 12-0004-017-01

WATERSHED AREA : 7.32	sq.km	SHORELINE : 51.50 km.
SURFACE AREA : 732.0	ha.	COTTAGES : 110
MAX DEPTH : 14.30	m.	RESORTS : 3 (36)
VOLUME : 37.81	mill cu. m.	% CROWN LAND : 0

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)	SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
05/24/88	5.5	0.5	1971 **	2.9	2.5
05/31/88	6.1	0.8	1975 **	3.7	5.7
06/07/88	6.7	0.7	1980	3.0	7.2
06/14/88	6.1	0.3	1983	2.7	3.3
06/21/88	5.2	0.3	1984	2.8	5.2
06/28/88	4.9	1.3	1985	3.4	5.1
07/05/88	4.6	1.5	1986	3.0	4.5
07/12/88	5.5	0.3	1988	4.0	3.6
07/19/88	4.9	1.8	1987	3.5	3.0
07/26/88	4.6	2.0	MEAN	3.2	4.5
08/02/88	4.3	1.6	MAX	4.0	7.2
08/09/88	3.0	2.7	MIN	2.7	2.5
08/15/88	2.7	3.6	N	9	9
08/24/88	3.0	2.4	SD	0.45	1.50
09/01/88	3.0	5.7			
09/06/88	3.0	5.7			
09/13/88	2.7	6.6			
09/21/88	2.7	5.9			
09/28/88	2.6	6.1			
10/06/88	2.7	8.1			
10/11/88	2.4	8.0			
10/19/88	2.7	6.5			
10/25/88	3.0	8.1			
11/01/88	3.0	6.5			
MEAN	4.0	3.6			
MAX	6.7	8.1			
MIN	2.4	0.3			
N	24	24			
SD	1.37	2.05			

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : SHABOMEKA
 TWP : BARRIE
 COUNTY : FRONTENAC

ID NUMBER : 18-3430-034-01

WATERSHED AREA : 40.90	sq.km	SHORELINE : 13.70 km.
SURFACE AREA : 268.0	ha.	COTTAGES : 104
MAX DEPTH : 32.00	m.	RESORTS : 0
VOLUME : 33.19	mill cu. m.	% CROWN LAND : 50

CENTRE

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	4.8	2.5
05/31/88	5.0	
06/07/88	4.9	2.8
06/14/88	5.2	1.4
06/22/88	5.0	1.6
06/27/88	5.7	1.1
07/03/88	6.2	1.2
07/11/88	6.0	1.6
07/17/88	5.5	1.1
07/25/88	6.3	1.7
08/02/88	5.7	1.2
08/07/88	5.6	0.8
08/16/88	5.5	2.2
08/21/88	4.8	1.8
08/28/88	4.9	3.0
09/07/88	4.6	2.4
09/11/88	4.8	2.5
09/18/88	5.2	2.7
09/25/88	4.7	3.3
10/05/88	4.3	2.8
MEAN	5.2	2.0
MAX	6.3	3.3
MIN	4.3	0.8
N	20	19
SD	0.55	0.76

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 **	5.1	2.7
1980 **	5.1	3.8
1981	4.4	3.2
1983 *	4.8	2.1
1984	5.2	3.2
1985	4.3	2.5
1986	4.5	2.4
1987	4.9	2.5
1988	5.2	2.0
MEAN	4.8	2.7
MAX	5.2	3.8
MIN	4.3	2.0
N	9	9
SD	0.36	0.58

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : SILVER
 TWP : DSO, SOUTH SHERBROOKE
 COUNTY : FRONTENAC, LANARK

ID NUMBER : 18-3430-027-01

WATERSHED AREA	29.70	sq.km	SHORELINE	9.20 km.
SURFACE AREA	246.0	ha.	COTTAGES	87 + 1 HOUSE
MAX DEPTH	24.40	m.	RESORTS	3 (185)
VOLUME	24.91	mill cu. m.	% CROWN LAND	10

HISTORICAL SUMMARY

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/06/88	3.9	1.9
05/16/88	3.8	1.5
05/29/88	4.2	1.2
06/08/88	5.0	1.0
06/17/88	4.7	1.6
07/04/88	3.4	1.4
07/10/88	2.9	1.7
07/18/88	2.3	2.6
07/27/88	2.9	1.6
08/03/88	3.3	1.1
08/09/88	3.4	1.5
08/18/88	3.2	3.1
09/01/88	3.4	1.7
09/15/88	4.5	2.2
09/26/88	4.8	2.0
10/03/88	4.7	1.7
10/15/88	4.6	3.0
MEAN	3.8	1.8
MAX	5.0	3.1
MIN	2.3	1.0
N	17	17
SD	0.80	0.61

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975 **	3.7	2.5
1977	3.5	2.4
1978	3.5	2.7
1979 **	4.0	2.7
1980	3.4	3.6
1981	3.6	3.0
1982	4.1	2.4
1983	3.9	2.0
1984	3.4	3.0
1985	3.7	2.3
1986	4.3	3.2
1987	4.8	2.4
1988	3.8	1.8
MEAN	3.8	2.6
MAX	4.8	3.6
MIN	3.4	1.8
N	13	13
SD	0.40	0.49

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : SKOOTAMATTA : UPPER LAKE (W.B)
 TWP : ANGLESEA
 COUNTY : LENNOX & ADDINGTON

ID NUMBER : 17-0026-005-01

WATERSHED AREA	49.34	sq. km	SHORELINE	9.60 km.
SURFACE AREA	456.0	ha.	COTTAGES	36 (1974)
MAX DEPTH	29.30	m.	RESORTS	0
VOLUME	4.33	mill cu. m.	% CROWN LAND	0

UPPER BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/17/88	2.9	3.1
06/24/88	3.2	1.0
07/05/88	3.8	0.7
07/16/88	3.8	0.4
07/25/88	4.1	0.2
07/31/88	4.1	0.6
08/19/88	4.7	0.8
09/02/88	4.4	1.3
09/15/88	4.4	1.9
MEAN	3.9	1.1
MAX	4.7	3.1
MIN	2.9	0.2
N	9	9
SD	0.58	0.90

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1974 **	4.2	3.0
1975 **	3.7	5.2
1980 *	3.7	3.2
1982 *	4.0	3.4
1983	3.4	1.5
1984	3.3	3.0
1985	3.5	2.3
1986	3.0	2.4
1987	3.6	1.5
1988	3.9	1.1
MEAN	3.6	2.7
MAX	4.2	5.2
MIN	3.0	1.1
N	10	10
SD	0.35	1.20

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : SOUTH
 TWP : FRONT & REAR OF LEEDS & LANSDOWNE
 COUNTY : LEEDS

ID NUMBER : 12-0017-019-01

WATERSHED AREA	38.91	sq.km	SHORELINE	10.94 km.
SURFACE AREA	220.0	ha.	COTTAGES	17 + 1 HOUSE
MAX DEPTH	14.63	m.	RESORTS	0
VOLUME	11.73	mill cu. m.	% CROWN LAND	1

MOUTH OF WILLOW BROOK

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
07/22/88	4.3	5.5
07/29/88	3.4	8.6
08/05/88	2.1	5.9
08/11/88	1.2	11.0
08/18/88	1.4	16.0
08/25/88	1.5	18.0
09/01/88	1.4	24.0
09/08/88	1.2	32.0
09/15/88	1.1	49.0
09/23/88	0.8	57.0
09/29/88	0.6	40.0
10/06/88	1.5	17.0
MEAN	1.7	23.7
MAX	4.3	57.0
MIN	0.8	5.5
N	12	12
SD	1.07	17.21

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1981 **	2.1	8.9
1982 **	1.5	13.5
1983 **	2.1	8.0
1984 **	2.0	8.2
1986	1.3	17.5
1987	1.5	12.2
1988	1.7	23.7
MEAN	1.7	13.1
MAX	2.1	23.7
MIN	1.3	8.0
N	7	7
SD	0.33	5.76

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : STEENBURG
 TWP : TUDOR, LIMERICK
 COUNTY : HASTINGS

ID NUMBER : 17-0021-011-01

WATERSHED AREA	: 21.50	sq.km	SHORELINE	: 13.70 km.
SURFACE AREA	: 277.0	ha.	COTTAGES	: 203
MAX DEPTH	: 20.10	m.	RESORTS	: 0
VOLUME	: 15.62	mill cu. m.	% CROWN LAND	: 0

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/26/86	4.0	0.2

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1976 **	4.6	2.4
1977	4.7	3.0
1976	4.3	3.0
1979	4.5	3.1
1983	4.3	1.4
1984	3.9	3.6
1985 *	4.2	3.1
1986	3.8	3.1
1987	3.9	1.7
1988 *	4.0	0.3

MEAN	4.2	2.6
MAX	4.7	3.6
MIN	3.8	0.3
N	10	10
SD	0.33	0.96

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

LAKE : STOCO
 TWP : HUNGERFORD
 COUNTY : HASTINGS

ID NUMBER : 17-0026-008-01

WATERSHED AREA	2230.00	sq.km	SHORELINE	16.00 km.
SURFACE AREA	500.0	ha.	COTTAGES	90
MAX DEPTH	9.76	m.	RESORTS	4 (26)
VOLUME	19.93	mill cu. m.	% CROWN LAND	0

NORTHEAST END

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/17/88	1.0	4.1
07/24/88	1.8	10.0
08/01/88	1.5	11.0
08/07/88	1.2	23.0
08/14/88	1.1	32.0
08/22/88	1.2	15.0
08/28/88	1.2	22.0
09/05/88	1.4	15.0
09/11/88	1.2	26.0
09/18/88	1.6	20.0
09/25/88	1.8	12.0
10/02/88	1.5	19.0
10/10/88	2.0	13.0
10/17/88	1.7	20.0
10/23/88	1.7	18.0
10/30/88	1.8	11.0
MEAN	1.5	16.9
MAX	2.0	32.0
MIN	1.0	4.1
N	16	16
SD	0.30	6.96

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1972 **	1.3	9.0
1973 **	1.5	23.5
1974 **	2.4	5.8
1975 **	2.0	20.1
1984 *	1.2	26.1
1985	1.6	10.0
1986 *	2.1	12.9
1987 *	2.1	4.9
1988	1.5	16.9
MEAN	1.7	14.2
MAX	2.4	26.1
MIN	1.2	4.9
N	9	9
SD	0.42	7.55

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : SYDENHAM
 TWP : LOUGHBOROUGH
 COUNTY : FRONTENAC

ID NUMBER : 06-0180-003-01

WATERSHED AREA : 49.00	sq.km	SHORELINE : 42.00 km.
SURFACE AREA : 451.0	ha.	COTTAGES : 152
MAX DEPTH : 37.00	m.	RESORTS : 2 (51)
VOLUME : 32.05	mill cu. m.	% CROWN LAND : 0

100 METERS OFF NORTH SHORE

HISTORICAL RECORD

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)			(METERS)	(UG/L)
06/16/88	5.3		2.1	
06/27/88	5.6			
07/15/88	5.8		6.6	
07/21/88	5.2		4.7	
08/03/88	4.0		3.2	
08/22/88	4.9		5.1	
09/07/88	5.2		5.5	
09/26/88	5.2		4.0	
10/11/88	4.9		4.9	
10/31/88	4.0		6.0	
11/22/88	3.7		8.6	
MEAN	4.9		5.1	
MAX	5.8		8.6	
MIN	3.7		2.1	
N	11		10	
SD	0.69		1.81	

SAMPLE DATE			SECCHI DEPTH	CHLOROPHYLL A
(YEAR)			(METERS)	(UG/L)
1977			5.0	5.1
1978			3.6	3.2
1979			3.6	4.5
1980			4.3	4.8
1982 *			3.7	3.6
1983			3.8	2.2
1984 **			3.8	2.9
1987 *			4.0	2.5
1988			4.9	5.1
MEAN			4.1	3.8
MAX			5.0	5.1
MIN			3.6	2.2
N			9	9
SD			0.54	1.14

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : TAIT
TWP : DUNGANNON
COUNTY : HASTINGS

ID NUMBER : 18-3490-036-01

WATERSHED AREA : 1.4 sq.km
SURFACE AREA : 20.7 ha.
MAX DEPTH : 5.5 m.
VOLUME : 0.639 mill cu. m.

SHORELINE : 3.2 km.
COTTAGES : 33
RESORTS :
% CROWN LAND : 0

CENTRE OF LAKE

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/19/88	5.0	0.9
07/28/88	4.3	0.8
08/04/88	4.3	0.7
08/11/88	4.0	1.7
08/16/88	4.3	2.1
08/30/88	4.6	1.5
09/13/88	4.6	1.0
09/21/88	4.1	1.0

MEAN	1.2	
MAX	2.1	
MIN	0.7	
N	7	
SD	0.43	0.29

KELLYS BAY

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/19/88	5.2	0.8
07/28/88	4.0	1.0
08/11/88	4.4	1.5
08/16/88	4.9	1.1
08/30/88	4.5	1.6
09/13/88	4.3	1.3
09/21/88	4.9	1.4

MEAN	1.2	
MAX	2.1	
MIN	0.7	
N	7	
SD	0.43	0.29

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1971	3.7	3.0
1972	5.6	1.4
1973	4.1	2.3
1988	4.5	1.2

MEAN	2.0	
MAX	3.0	
MIN	1.2	
N	4	
SD	0.83	

LAKE : THIRTEEN ISLAND

ID NUMBER : 17-0035-015-01

TWP : BEDFORD, HINCHINBROOKE, LOUGHBOROUGH, PORTLAND

COUNTY : FRONTENAC

WATERSHED AREA : 40.00	sq.km	SHORELINE : 13.80 km.
SURFACE AREA : 132.0	ha.	COTTAGES : 60
MAX DEPTH : 25.90	m.	RESORTS : 2 (4)
VOLUME : 6.63	mill cu. m.	% CROWN LAND : 0

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/01/88	3.3	1.6
05/08/88	3.3	2.2
05/15/88	4.0	0.9
05/23/88	4.3	0.8
05/29/88	4.3	1.2
06/05/88	4.0	1.0
06/12/88	4.0	3.1
06/19/88	4.0	1.5
06/26/88	4.0	1.1
07/03/88	4.3	0.1
07/10/88	4.3	1.0
07/17/88	4.3	1.3
07/24/88	4.3	2.9
08/01/88	4.3	1.5
08/07/88	4.0	4.0
08/14/88	4.3	1.8
08/20/88	4.0	3.5
08/28/88	4.0	4.4
09/05/88	4.0	3.1
09/11/88	4.0	3.4
09/18/88	4.0	4.9
09/25/88	4.3	5.4
10/02/88	4.3	5.7
10/10/88	4.0	7.4
10/30/88	3.7	7.2
MEAN	4.1	2.8
MAX	4.3	7.4
MIN	3.3	0.1
N	25	25
SD	0.29	2.05

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975 **	4.3	4.2
1983	3.3	3.4
1984 **	3.8	4.3
1985	3.5	3.7
1986	3.3	6.7
1987	3.4	4.1
1988	4.1	2.8
MEAN	3.7	4.2
MAX	4.3	6.7
MIN	3.3	2.8
N	7	7
SD	0.40	1.23

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : TROY
 TWP : SOUTH CROSBY
 COUNTY : LEEDS

ID NUMBER : 12-0004-019-01

WATERSHED AREA	8.17	sq.km	SHORELINE	8.50 km.
SURFACE AREA	119.0	ha.	COTTAGES	16 (1974)
MAX DEPTH	5.20	m.	RESORTS	0
VOLUME	2.74	mill cu. m.	% CROWN LAND	0

CENTER

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/23/88	3.4	2.5
05/29/88	3.7	1.8
06/05/88	3.4	0.9
06/12/88	3.0	1.1
06/19/88	4.6	1.1
07/03/88	3.8	2.4
07/10/88	4.3	3.0
07/17/88	4.3	3.9
07/27/88	3.3	7.1
08/14/88	2.3	9.3
08/21/88	1.5	11.0
09/18/88	1.5	13.0
MEAN	3.3	4.8
MAX	4.6	13.0
MIN	1.5	0.9
N	12	12
SD	1.03	4.24

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1975 **	2.1	9.3
1977	1.7	10.4
1978	1.9	11.1
1979	2.0	12.0
1980	2.3	10.1
1981	2.3	6.3
1982	2.4	8.4
1983	2.0	10.7
1984	2.4	8.0
1985	2.6	8.5
1986	1.9	13.5
1987	3.4	3.2
1988	3.3	4.8
MEAN	2.3	8.9
MAX	3.4	13.5
MIN	1.7	3.2
N	13	13
SD	0.52	2.89

NOTE : * Based on less then 6 readings.

** Recreational lakes included.

LAKE : TWIN SISTER : EAST BASIN
 TWP : MARMORA
 COUNTY : HASTINGS

ID NUMBER : 17-0021-012-01

WATERSHED AREA : 6.90	sq.km	SHORELINE : 4.40 km.
SURFACE AREA : 51.0	ha.	COTTAGES : 20
MAX DEPTH : 8.54	m.	RESORTS : 0
VOLUME : 1.74	mill cu. m.	% CROWN LAND : 0

EAST BASIN

HISTORICAL RECORD

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
06/07/88	3.2	2.6
06/12/88	3.8	1.0
06/16/88	3.8	1.9
06/26/88	3.7	8.0
07/04/88	4.1	1.9
07/13/88	3.5	2.6
07/19/88	3.5	2.4
07/24/88	3.6	4.2
07/30/88	3.5	0.6
08/04/88	3.8	0.8
08/08/88	3.8	6.0
08/16/88	4.1	6.5
08/23/88	3.5	0.4
08/30/88	3.2	7.0
09/06/88	3.8	5.0
09/28/88	3.0	6.3
10/09/88	2.6	5.3
MEAN	3.6	3.7
MAX	4.1	8.0
MIN	2.6	0.4
N	17	17
SD	0.39	2.51

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1980 **	3.9	5.2
1981 *	3.5	5.0
1982	3.4	2.2
1983	3.5	3.3
1984	3.8	5.0
1985	3.6	4.7
1986	3.4	4.0
1987	3.0	6.0
1988	3.6	3.7
MEAN	3.5	4.3
MAX	3.9	6.0
MIN	3.0	2.2
N	9	9
SD	0.26	1.16

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : TWIN SISTER : WEST BASIN
 TWP : MARMORA
 COUNTY : HASTINGS

ID NUMBER : 17-0021-013-01

WATERSHED AREA	8.70	sq.km	SHORELINE	3.20 km.
SURFACE AREA	35.0	ha.	COTTAGES	21
MAX DEPTH	13.40	m.	RESORTS	0
VOLUME	1.96	mill cu. m.	% CROWN LAND	0

WEST BASIN

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
05/07/88	2.6	3.2
05/23/88	3.0	1.4
05/29/88	3.2	1.3
06/19/88	3.4	1.9
07/03/88	3.0	1.2
07/17/88	3.4	1.1
07/23/88	4.0	1.2
08/01/88	4.0	0.9
08/07/88	3.8	1.9
08/15/88	3.7	2.8
08/21/88	4.0	2.8
09/18/88	3.8	1.9
10/09/88	3.4	2.4
MEAN	3.5	1.8
MAX	4.0	3.2
MIN	2.6	0.9
N	13	13
SD	0.45	0.75

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1977	3.6	2.9
1980 **	3.9	4.3
1981	4.4	2.9
1982	3.6	3.3
1983	3.5	2.5
1984	3.5	4.7
1985	3.8	5.3
1986	3.0	3.7
1987	3.3	4.6
1988	3.5	1.8
MEAN	3.6	3.6
MAX	4.4	5.3
MIN	3.0	1.8
N	10	10
SD	0.37	1.11

NOTE : * Based on less than 6 readings.
 ** Recreational lakes included.

LAKE : WOLLASTON
 TWP : WOLLASTON
 COUNTY : HASTINGS

ID NUMBER : 17-0021-014-01

WATERSHED AREA : 124	sq.km	SHORELINE : 13.0 km.
SURFACE AREA : 368	ha.	COTTAGES : 178
MAX DEPTH : 32.0	m.	RESORTS : 2 (197)
VOLUME : 34.67	mill cu. m.	% CROWN LAND : 12

VARIOUS LOCATIONS

HISTORICAL RECORD

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(MM/DD/YY)	(METERS)	(UG/L)
07/05/88	4.7	1.1
07/12/88	4.0	1.4
07/18/88	3.9	1.6
07/25/88	4.3	1.9
08/02/88	4.6	1.1
08/08/88	5.2	1.4
08/23/88	4.6	0.5
09/03/88	5.6	1.1

MEAN	1.3	
MAX	5.6	1.9
MIN	3.9	0.5
N	8	8
SD	0.57	0.42

SAMPLE DATE	SECCHI DEPTH	CHLOROPHYLL A
(YEAR)	(METERS)	(UG/L)
1977 **	5.1	1.8
1978	4.7	3.2
1980 *	5.4	1.8
1981 *	4.8	2.0
1983 *	3.7	1.5
1984 *	4.1	3.0
1988	4.6	1.3

MEAN	4.6	2.1
MAX	5.4	3.2
MIN	3.7	1.3
N	7	7
SD	0.58	0.73

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

LAKE : WEST
 TWP : HALLOWELL
 COUNTY : PRINCE EDWARD

ID NUMBER : 06-0163-001-01

WATERSHED AREA : 119.00 sq.km
 SURFACE AREA : 502.0 ha.
 MAX DEPTH : 4.60 m.
 VOLUME : 9.94 mill cu. m.

SHORELINE : 12.20 km.
 COTTAGES : 82 + 104 HOUSES
 RESORTS : 22 (139)
 % CROWN LAND : 1

NORTH OF SHEBA ISLAND

SAMPLE DATE (MM/DD/YY)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
08/29/88	1.1	16.0
09/12/88	0.8	5.4
09/19/88	0.8	10.0
09/29/88	0.8	5.3
10/03/88	0.7	15.0
10/19/88	0.6	13.0
10/26/88	0.6	18.0
10/31/88	0.5	14.0
11/22/88	0.5	6.0
12/05/88	0.5	9.0
MEAN	0.7	11.2
MAX	1.1	18.0
MIN	0.5	5.3
N	10	10
SD	0.19	4.67

NORTH AND SOUTH BASINS

SAMPLE DATE (YEAR)	SECCHI DEPTH (METERS)	CHLOROPHYLL A (UG/L)
1980 **	2.2	6.5
1983	1.2	5.0
1984	1.4	8.1
1985 **	1.0	11.6
1986 **	1.5	9.3
1987 **	1.5	4.5
1988	0.7	11.2
MEAN	1.4	8.0
MAX	2.2	11.6
MIN	0.7	4.5
N	7	7
SD	0.47	2.84

NOTE : * Based on less than 6 readings.

** Recreational lakes included.

